

FIG. 1

10

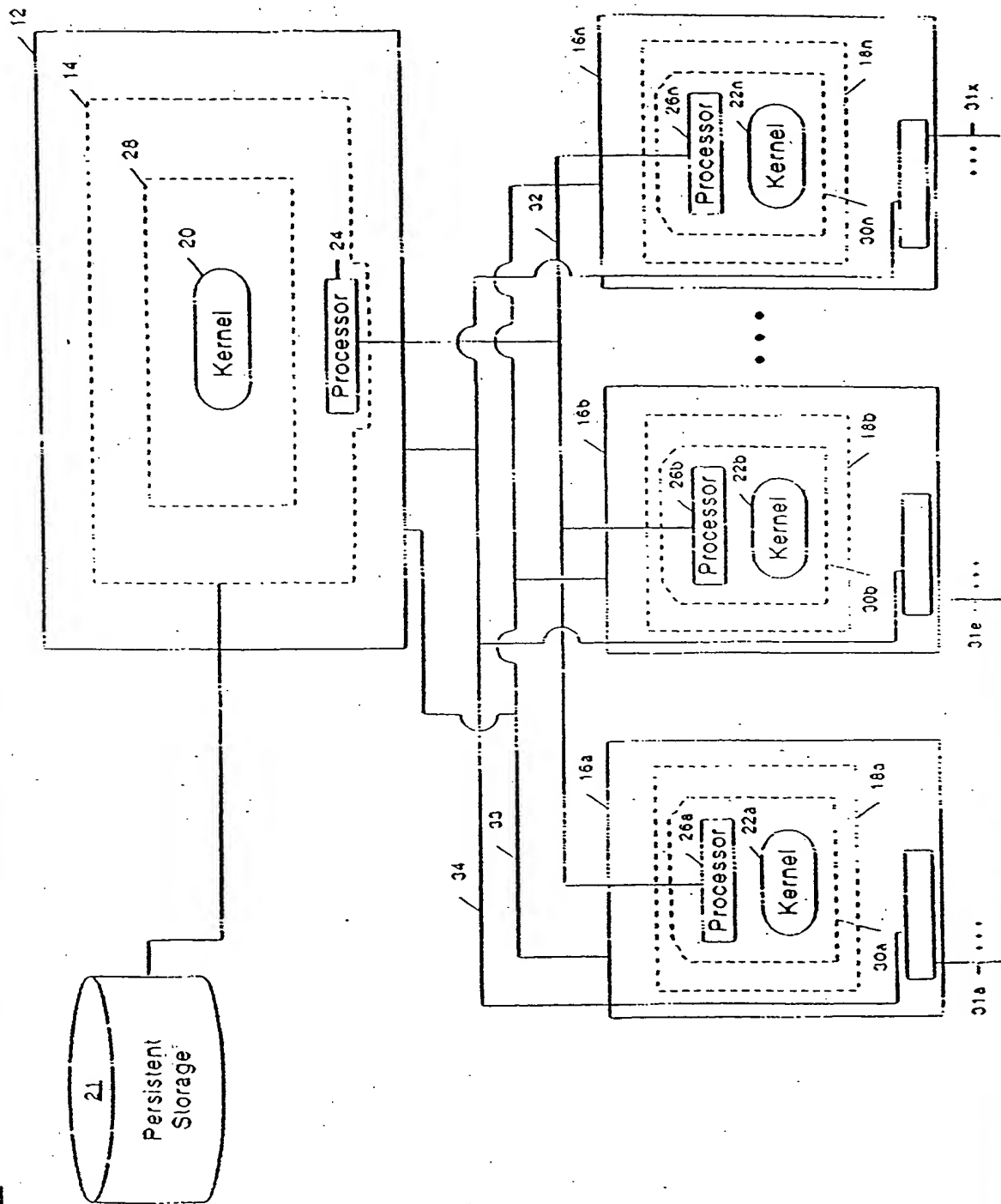


Fig. 2a

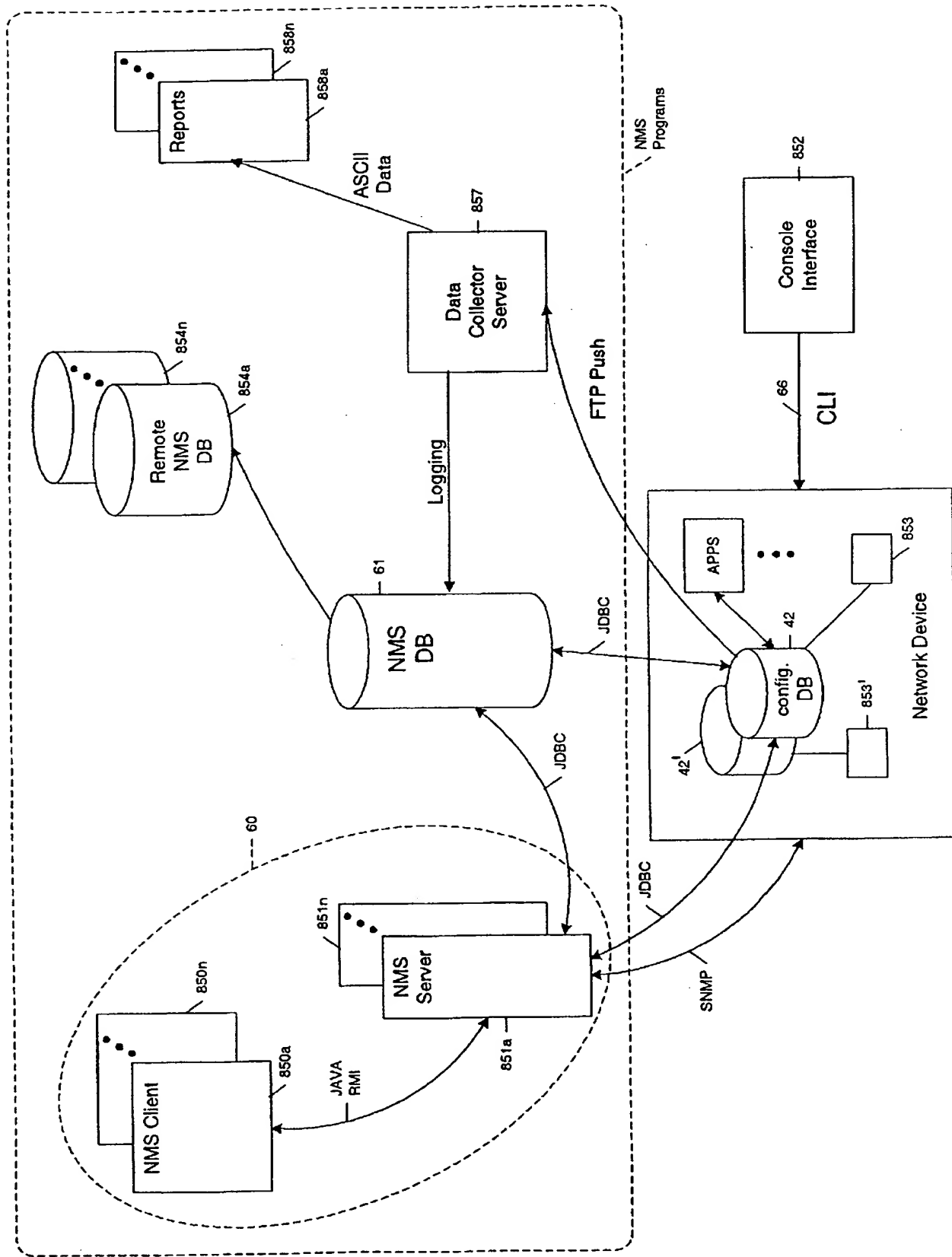


Fig. 2b

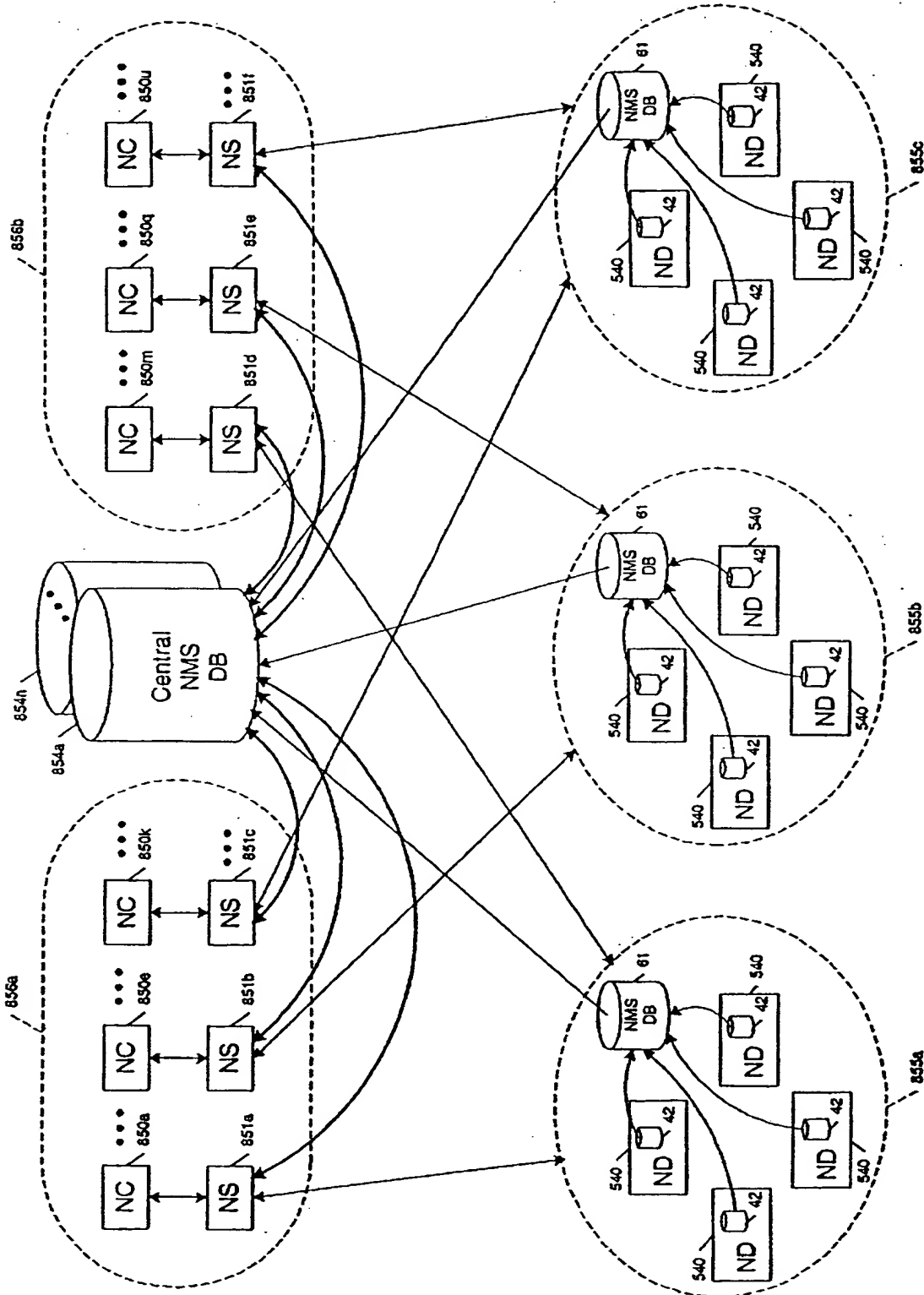
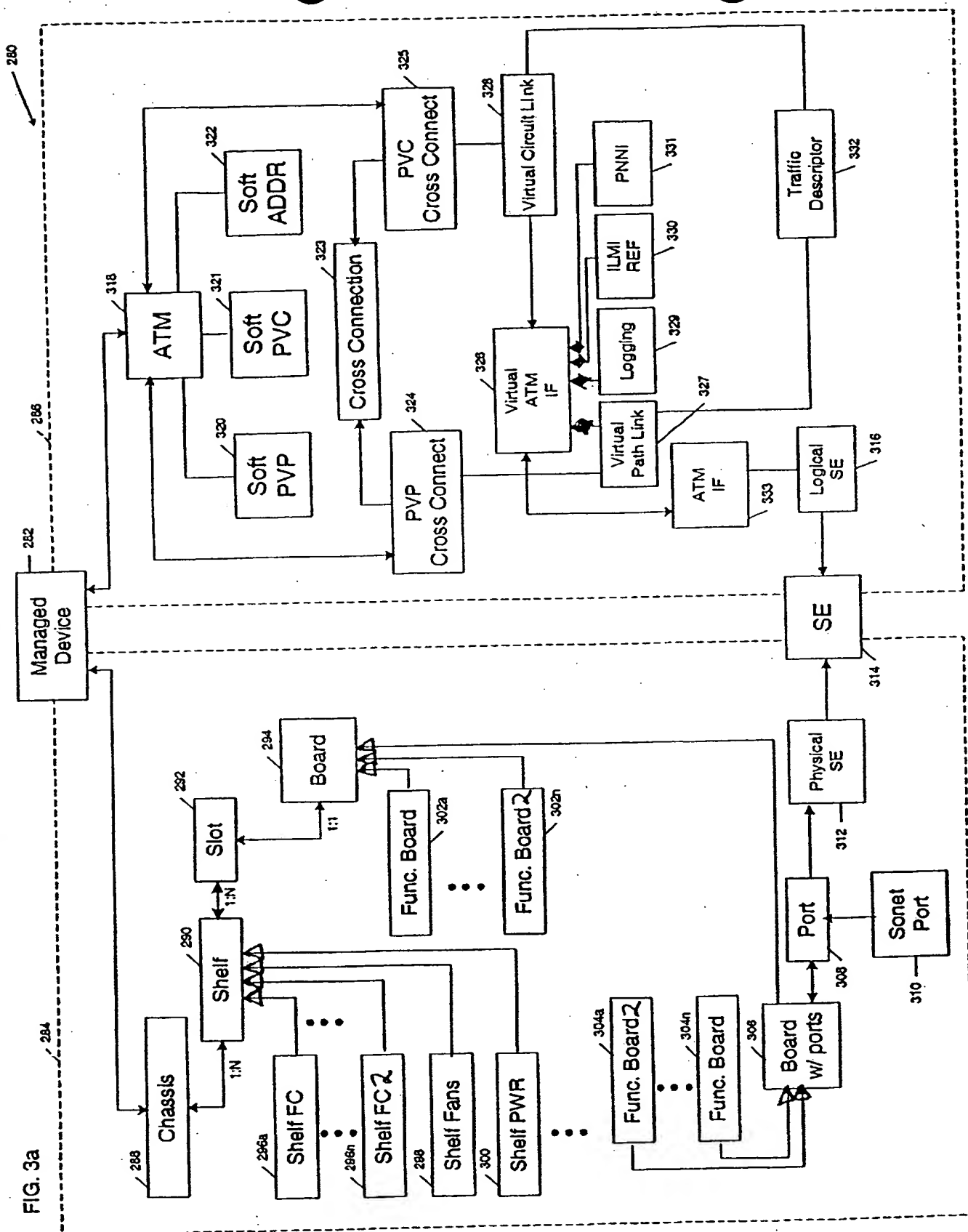
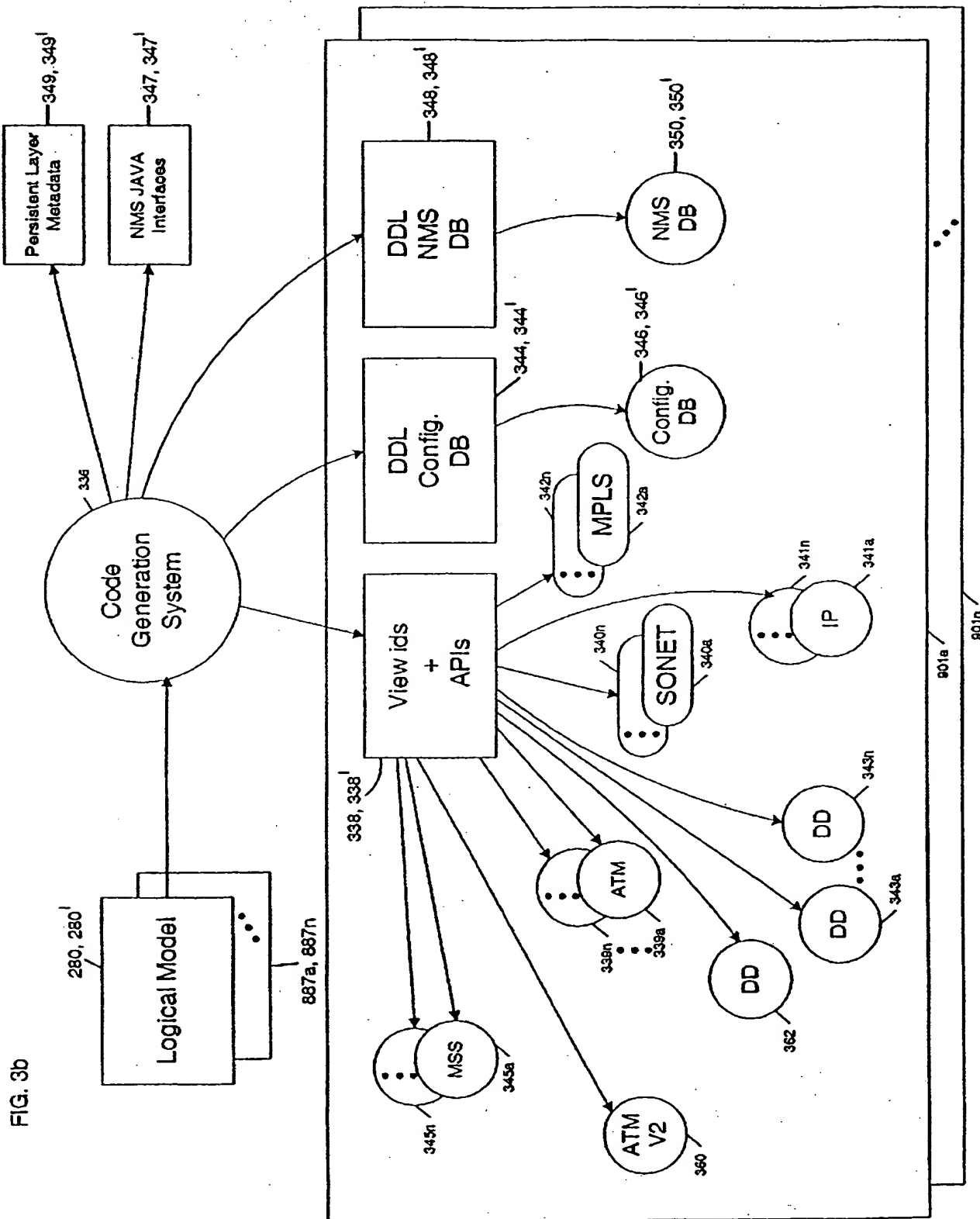


FIG. 3a





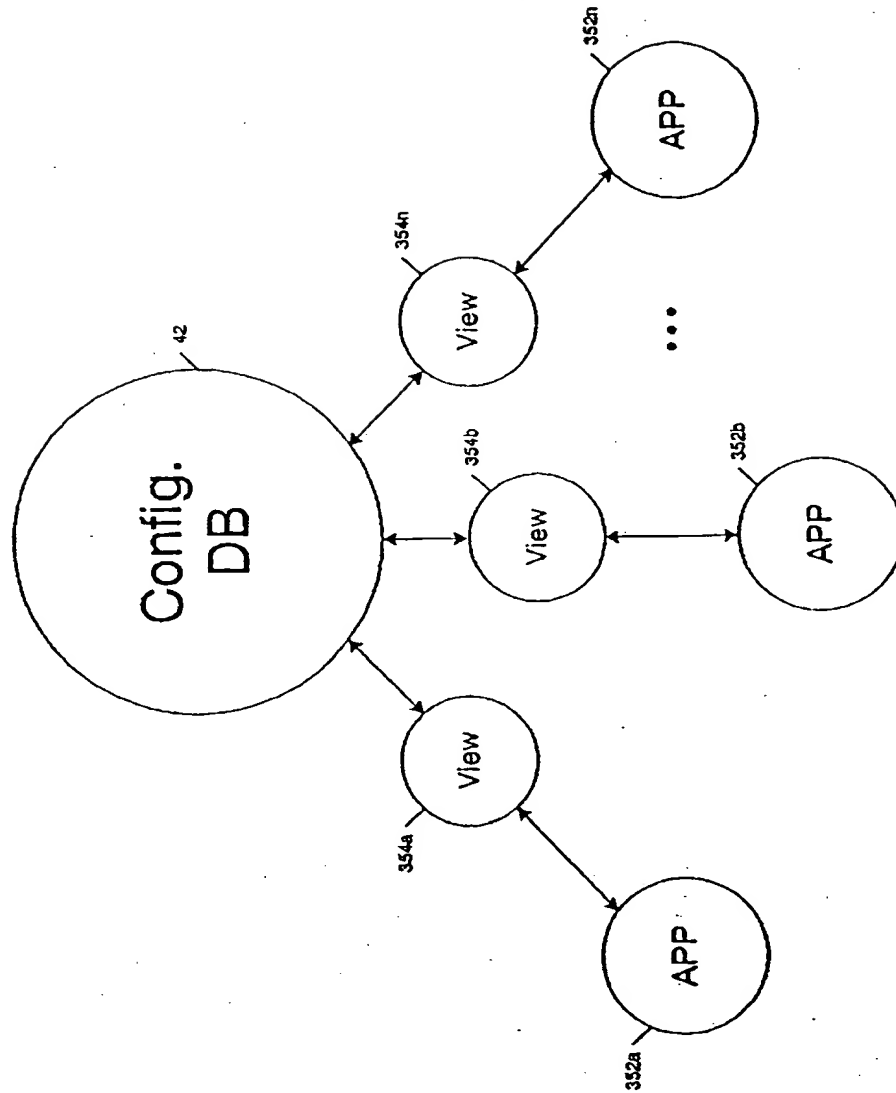


FIG. 3c

Fig. 3d

Build SONET Application

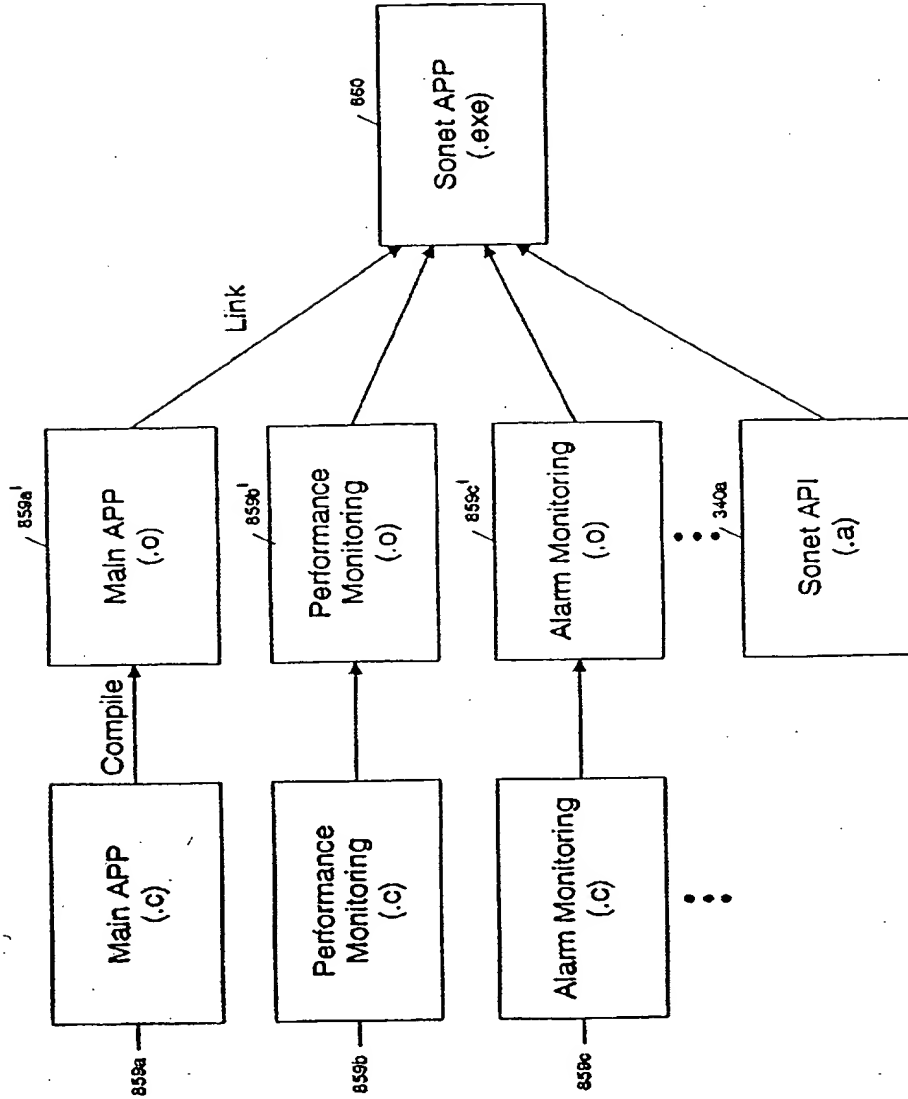


Fig. 3e

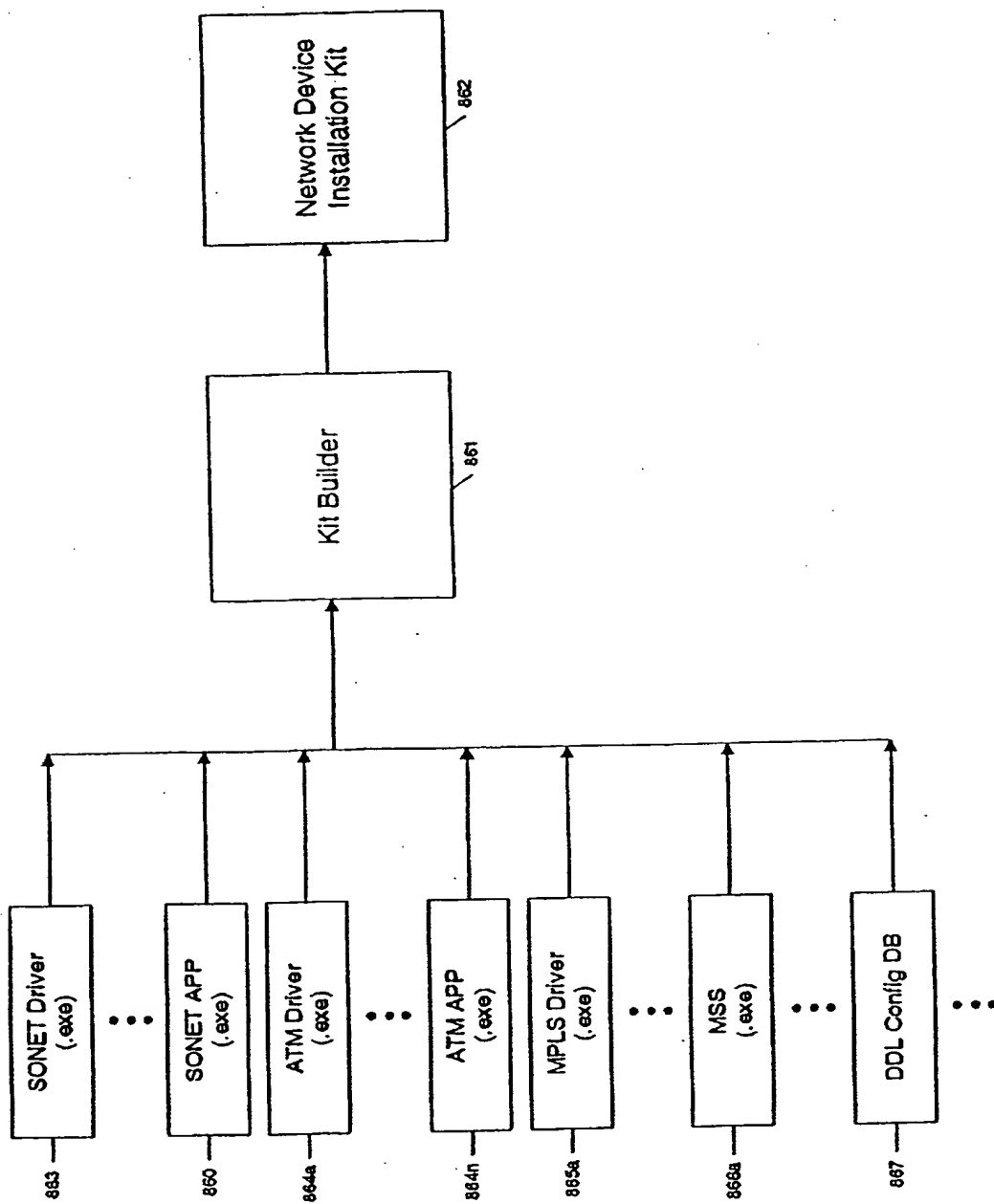


Fig. 3R

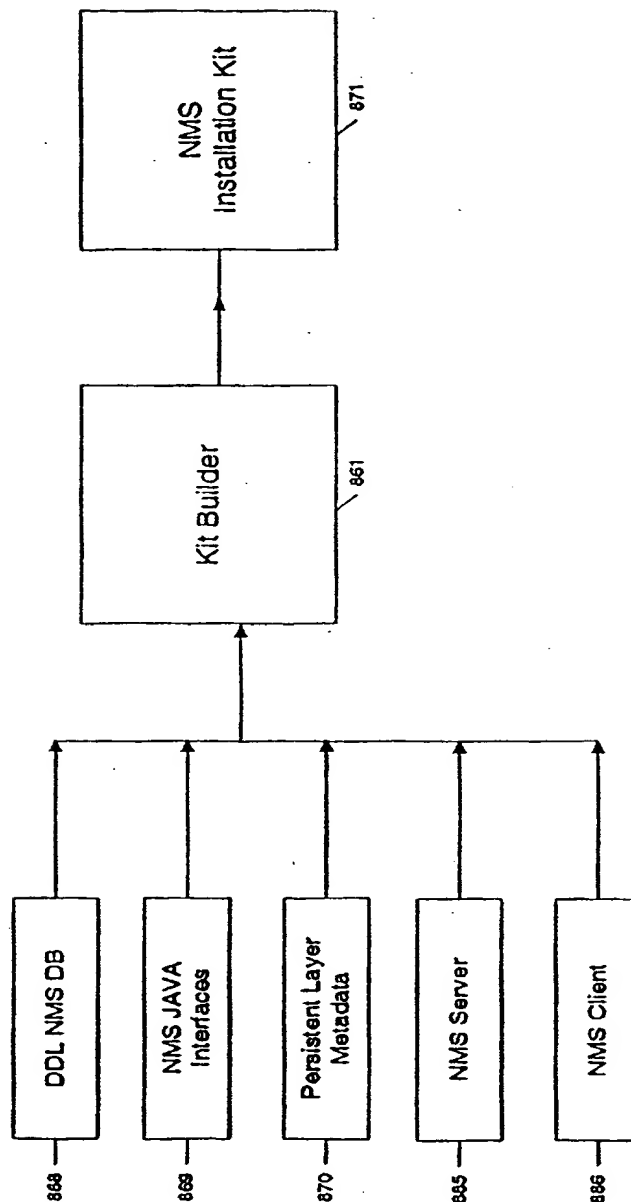


Fig. 3g

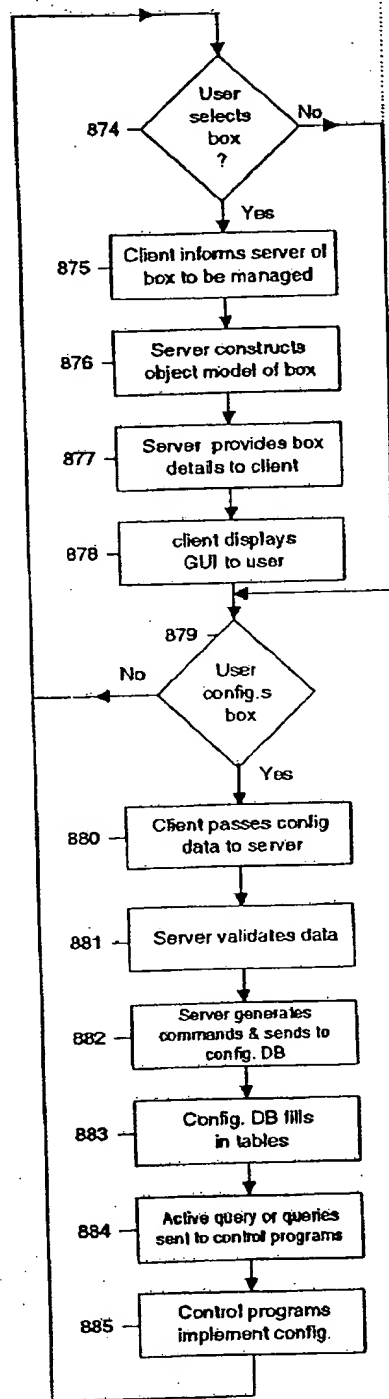
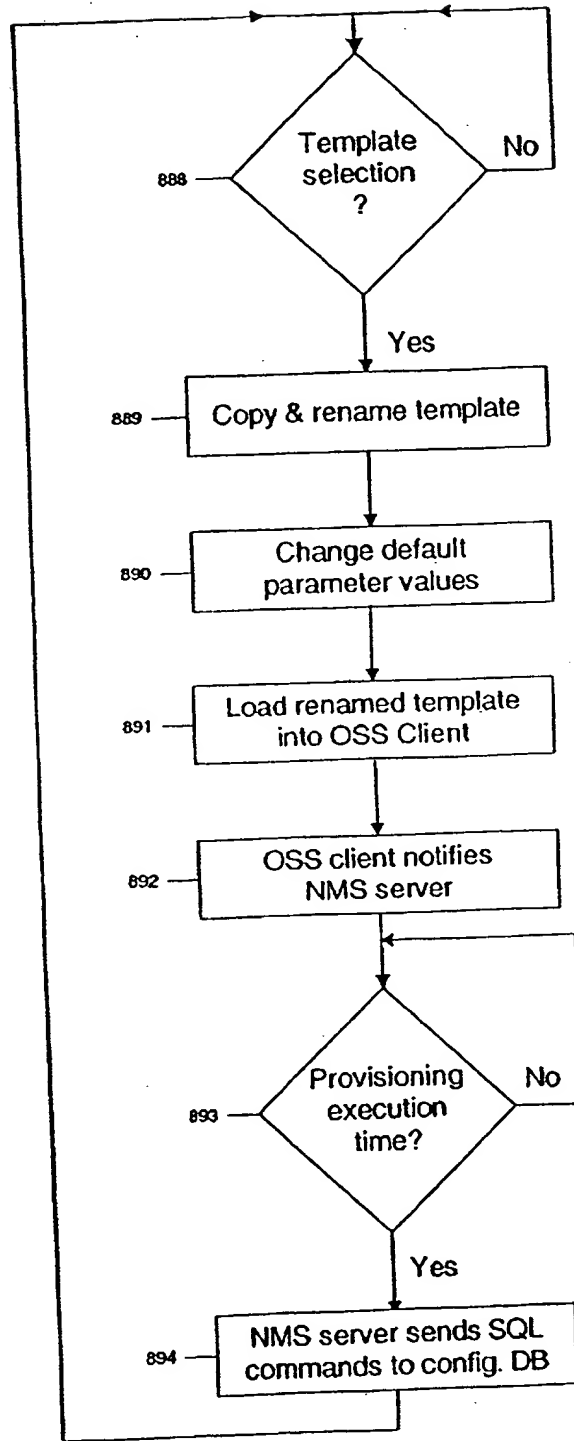


Fig. 3h



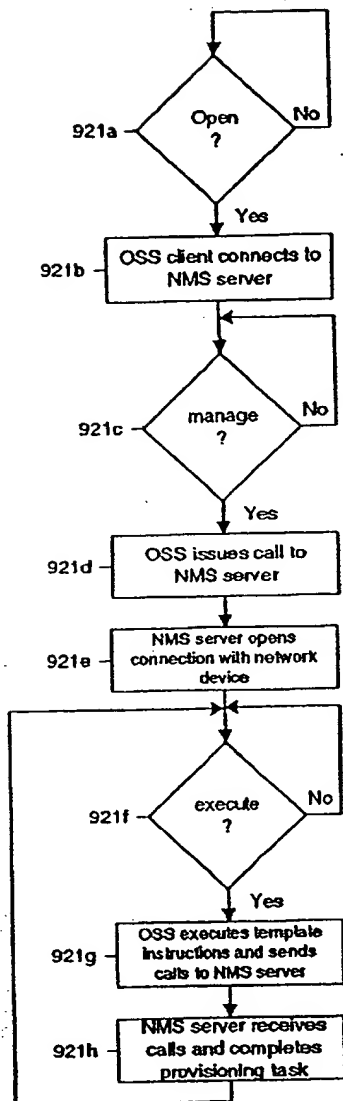
```

912 Command Prompt (2) - enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli> help
Commands are:
bye
close
execute
help
load
manage
open
quit
showCurrent
showTemplate
set
status
writeCurrent
writeTemplate
Enetcli>
Enetcli> showCurrent SPATH
ATMifName=ATMif11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator>Create
PortID=1
Position=1
Service=AIM
ShelfID=11
SlotID=1
Type=Terminated
Version=U1_1_0_0
Width=STS3
Enetcli>
Enetcli>
Enetcli>
916 Enetcli> showTemplate SPATH
ATMifName=(String)[TerminatedOnly]
Concatenated=(true:false)
Name=(String)
Operant=SPATH
Operator=(Create|Replace|Update|Delete)
PortID=(Integer)<1-16>
Position=(Integer)
Service=(None|AIM)
ShelfID=(11[top]|13[bottom])
SlotID=(Integer)<1-8>
Type=(Switched|Terminated)
Version=U1_1_0_0
Width=(STS1|STS3|STS12|STS48)
Enetcli>
Enetcli>
918 Enetcli> status
Not currently connected to server
919 Supporting templates: CONTROL, PUC, SPATH, SPUC, ID, and UAIF
920 Enetcli>

```

Fig. 3i

Fig. 3j



19.3K

```

922 Enetcli>
Enetcli> showCurrent CONTROL
Input=Q:\nns\com\equipecon\nns\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nns\com\equipecon\nns\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=U1_1_0_0
Server=localhost
923a Enetcli>

```

1. The first part of the paper is devoted to a review of the literature on the topic. It starts with a general overview of the field, followed by a more detailed discussion of the specific issues at hand. The author then presents his own findings, which are based on a series of experiments. Finally, he concludes with some thoughts on the implications of his work.

Fig. 3L

← 924 BATCH

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a-Task1=execute-SPATH

9246 —Task2=execute-PVC

924c—Task3=execute-SPVC

924d-Task4=load-SPVC-spvc1

924e-Task5=execute-SPVC

9248 ---Task6=load-SPVC-spvc2

924c-Task7=exccute-SPVC

924g - Task50=sct-SPATH-PortID-3

924h —Task51=execute-SPATH

924i—Task52=set-SPATH-SlotID-2

924; -Task53=execute-SPATH

1. The first part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The second part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The third part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The fourth part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The fifth part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The sixth part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The seventh part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The eighth part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The ninth part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The tenth part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries.

Fig. 3M

✓ 925

Version=V1_1_0_0

925a-Task1=execute-CONTROL

925b -Task2=execute-SPATH

925C —Task3=set-SPATH-PortID-3

925d — Task4=execute-SPATH

925e — Task61=set-CONTROL-System-192.168.9.201

9258 — Task62=execute-CONTROL

925a —Task63=execute-SPATH

925h-Task108=close

```
925: -Task109=set-CONTROL-Server-Server1
```

—Task110=set-CONTROL-System-192.168.8.200

Task111=execute-CONTROL

Task112=execute-SPATH

9252

895

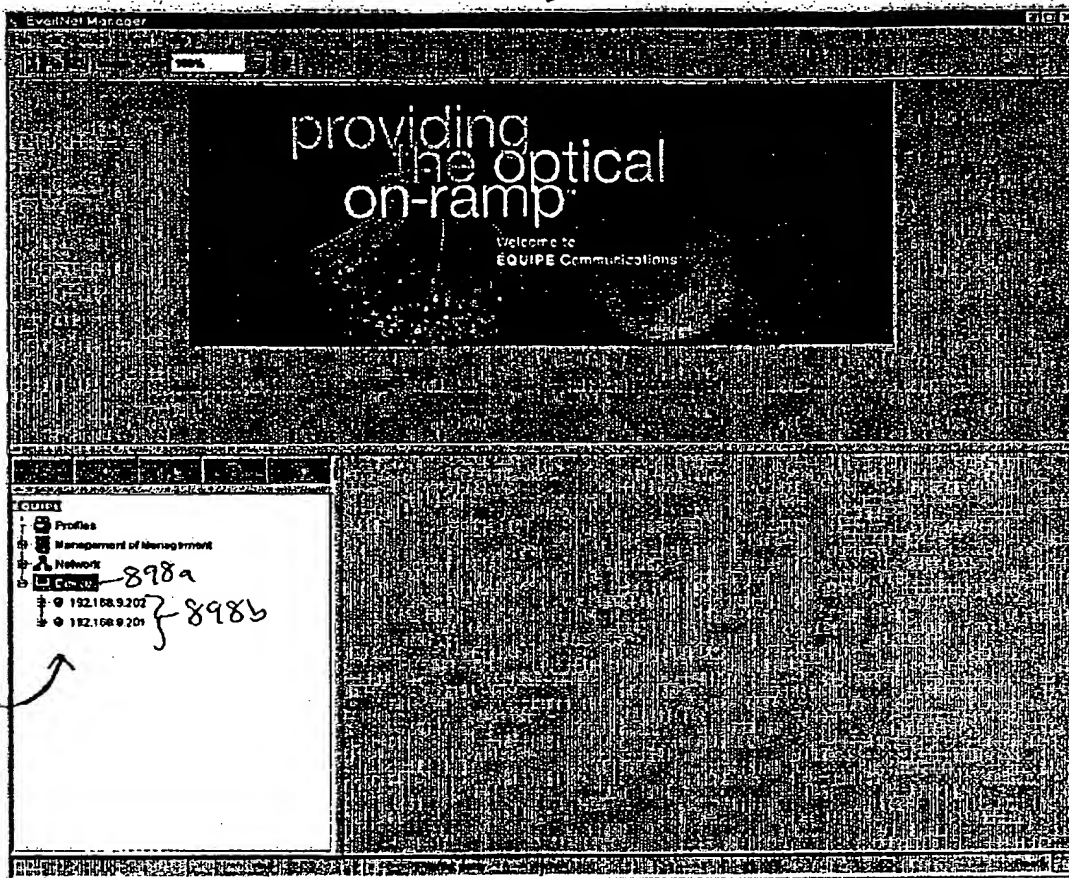


Fig. 4a

895

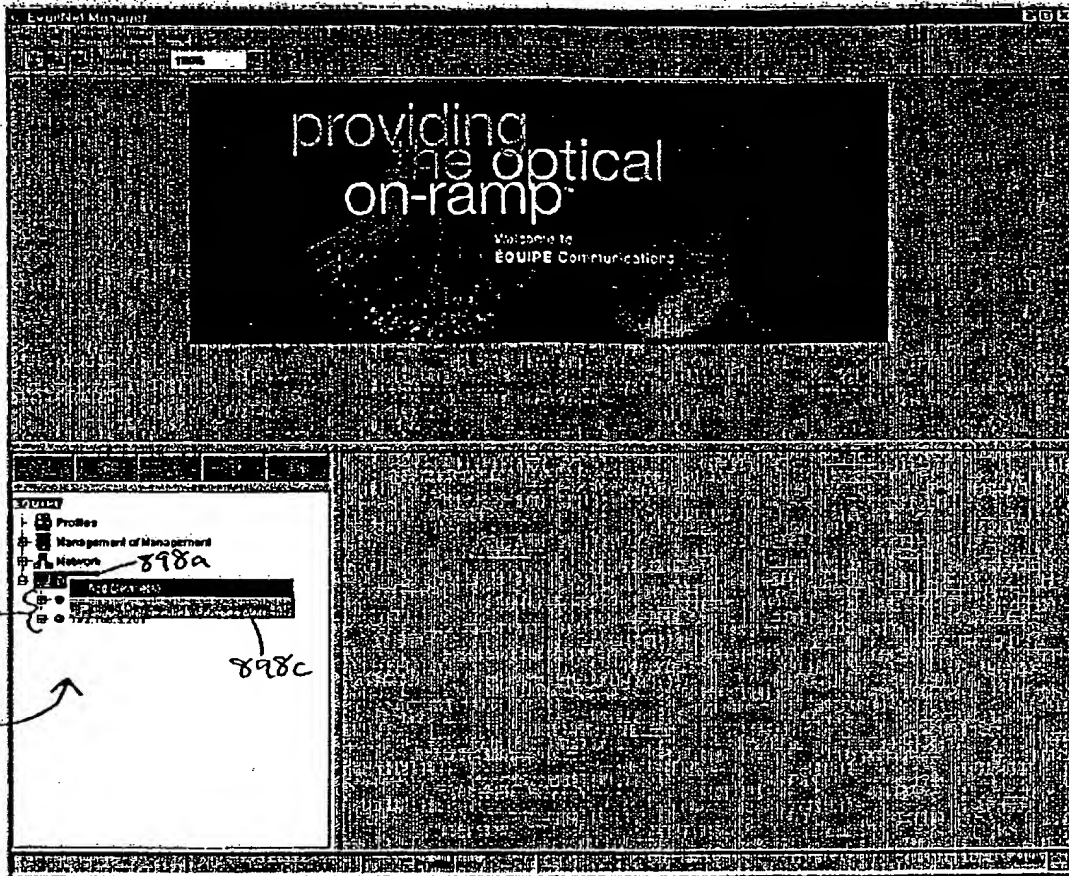


Fig. 4b

Fig. 4c

898d

Fig. 4d

898d

898g

898j

898i

898h

Downloaded from www.industrydocuments.ucsf.edu

895

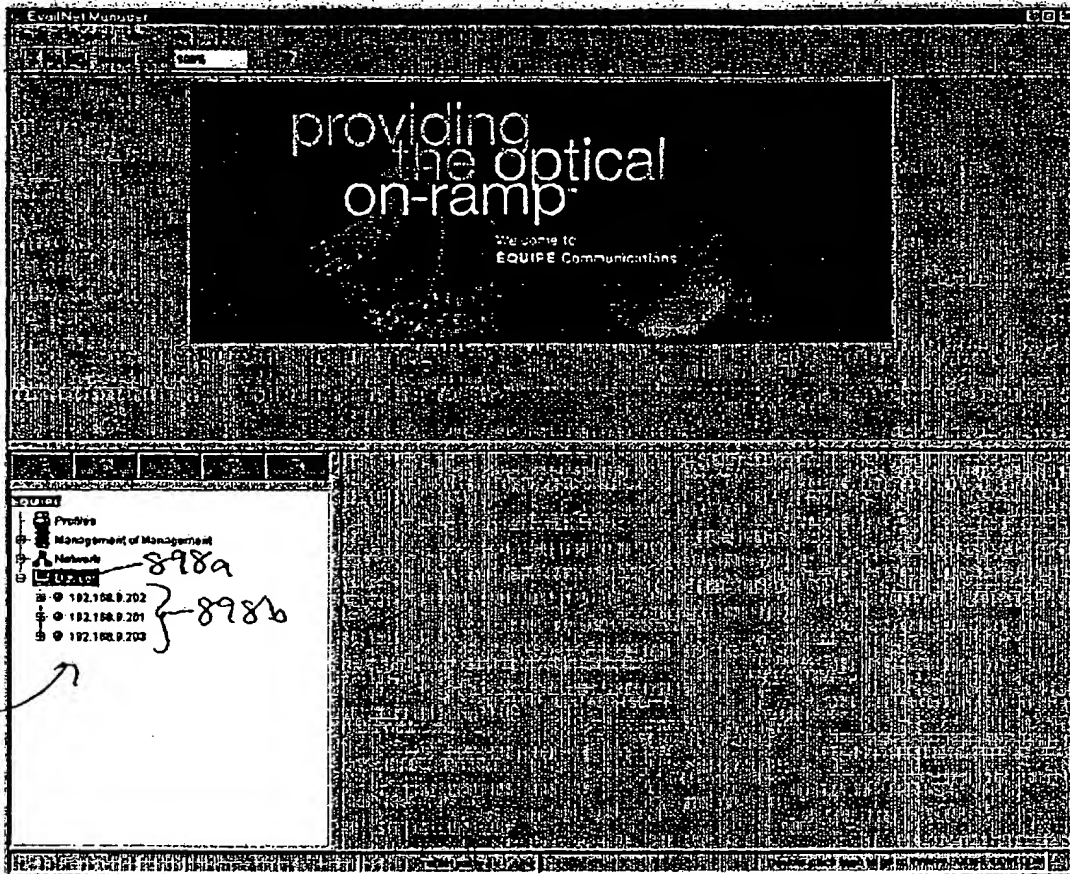


Fig. 4e

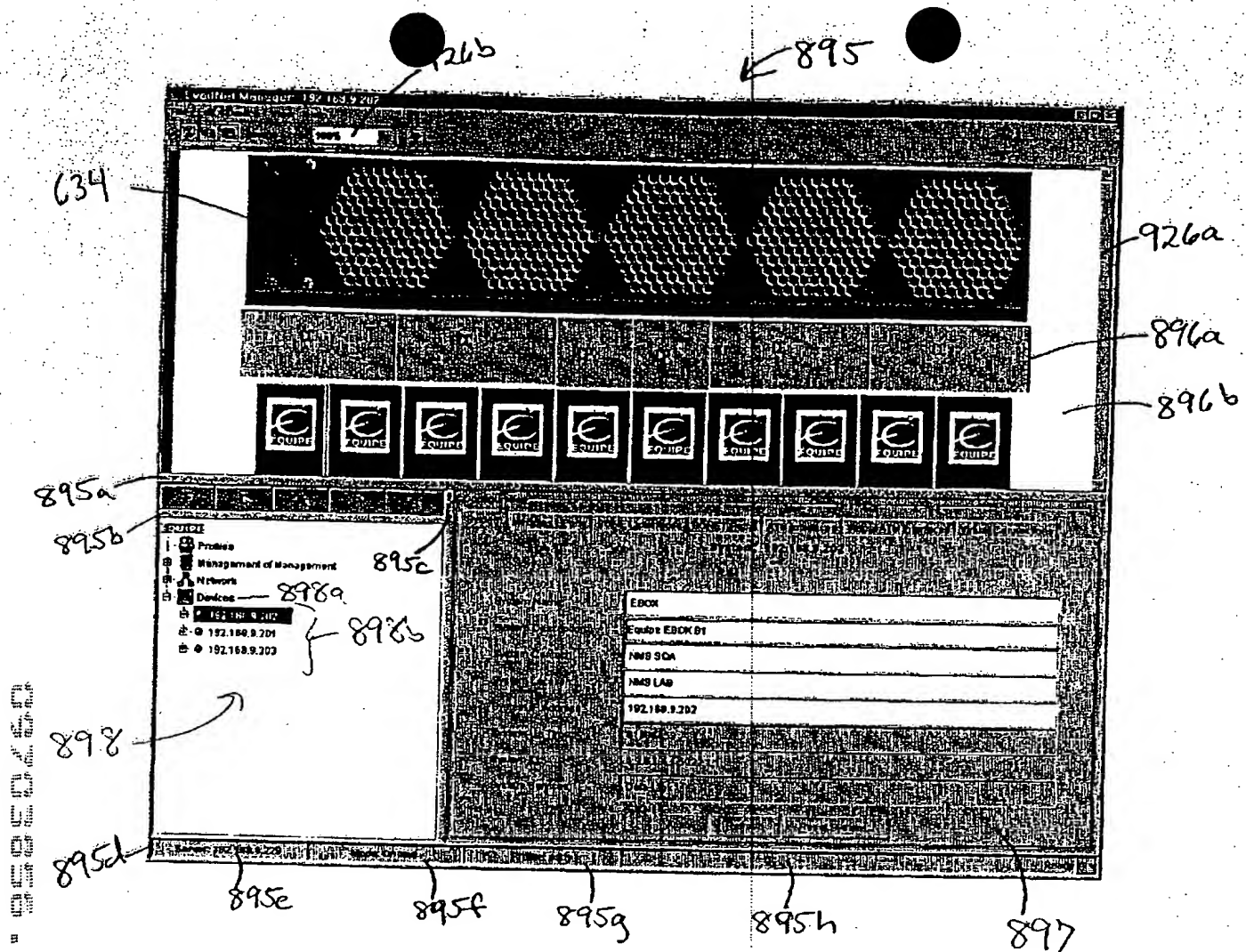


Fig. 4f

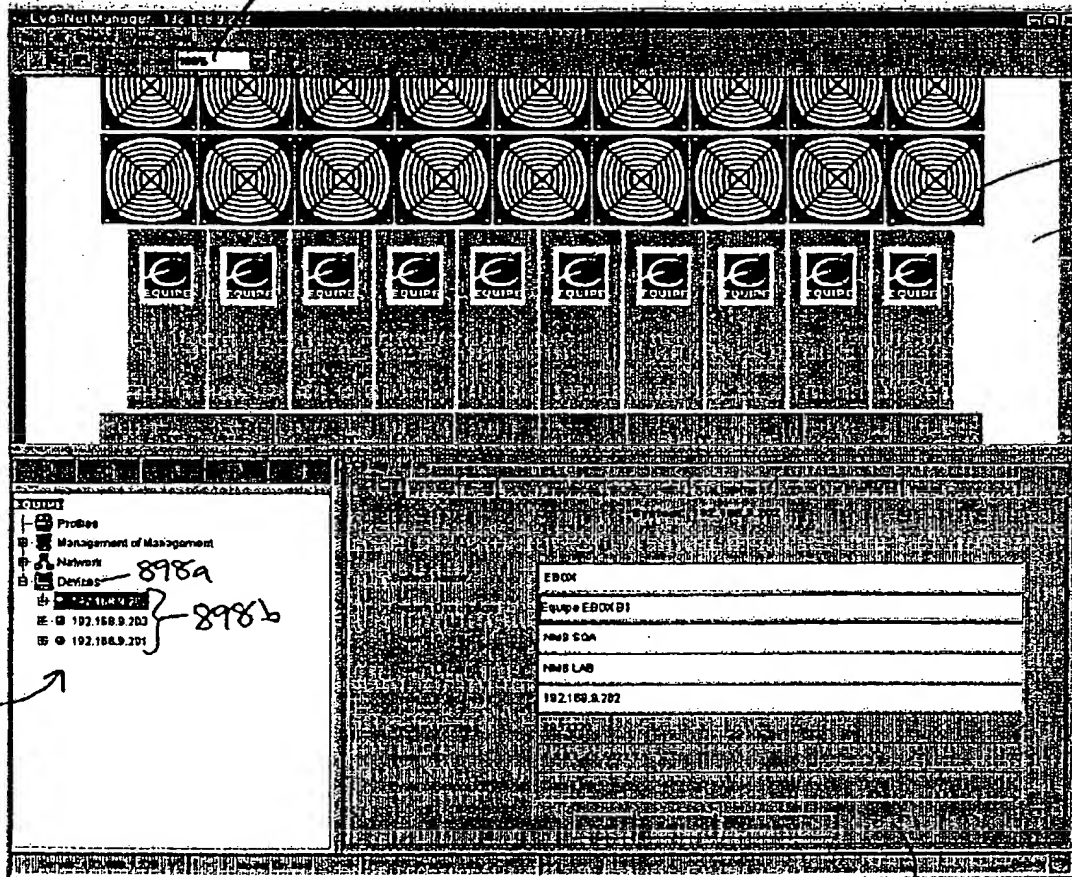


Fig. 4g

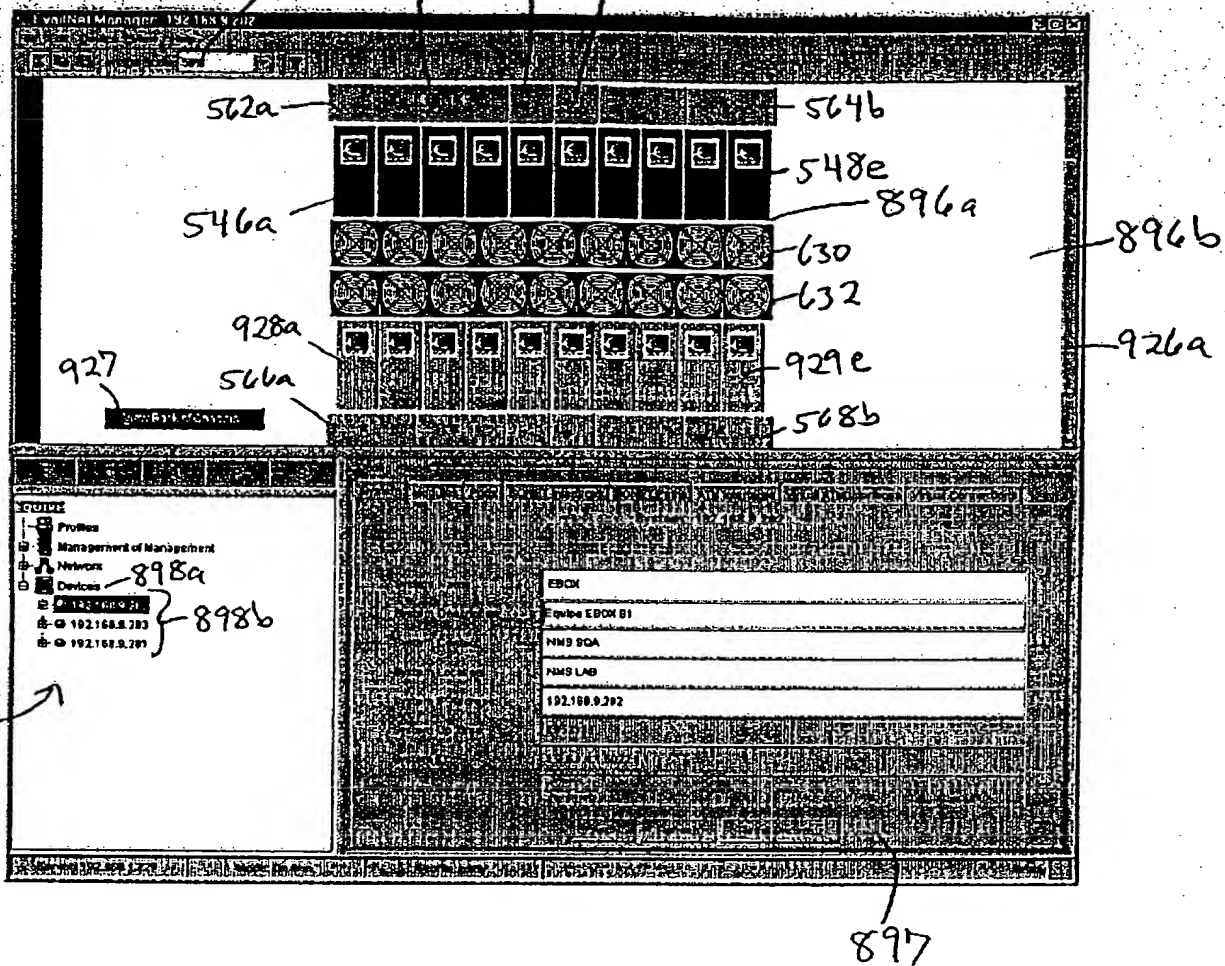


Fig. 4h

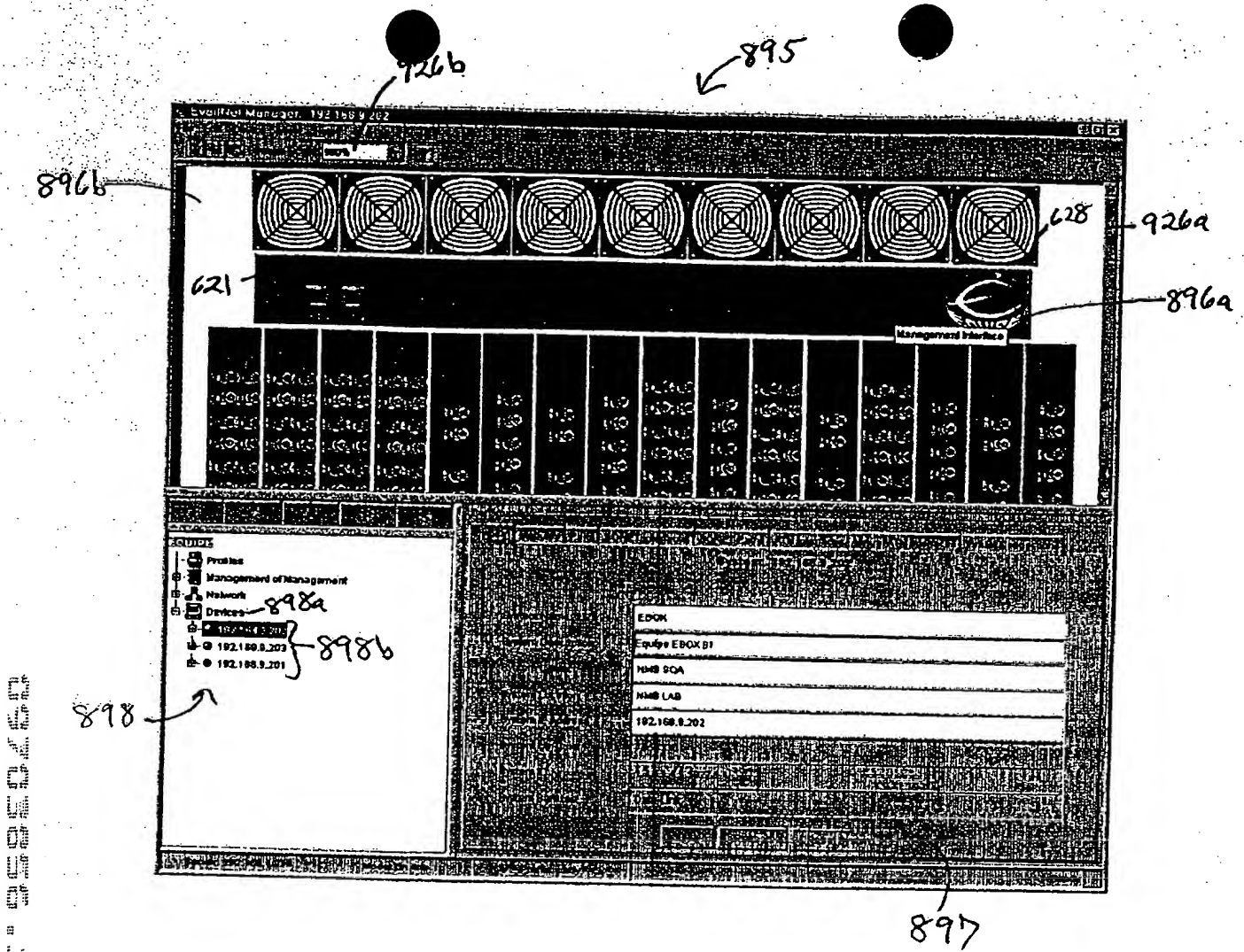


Fig. 4i

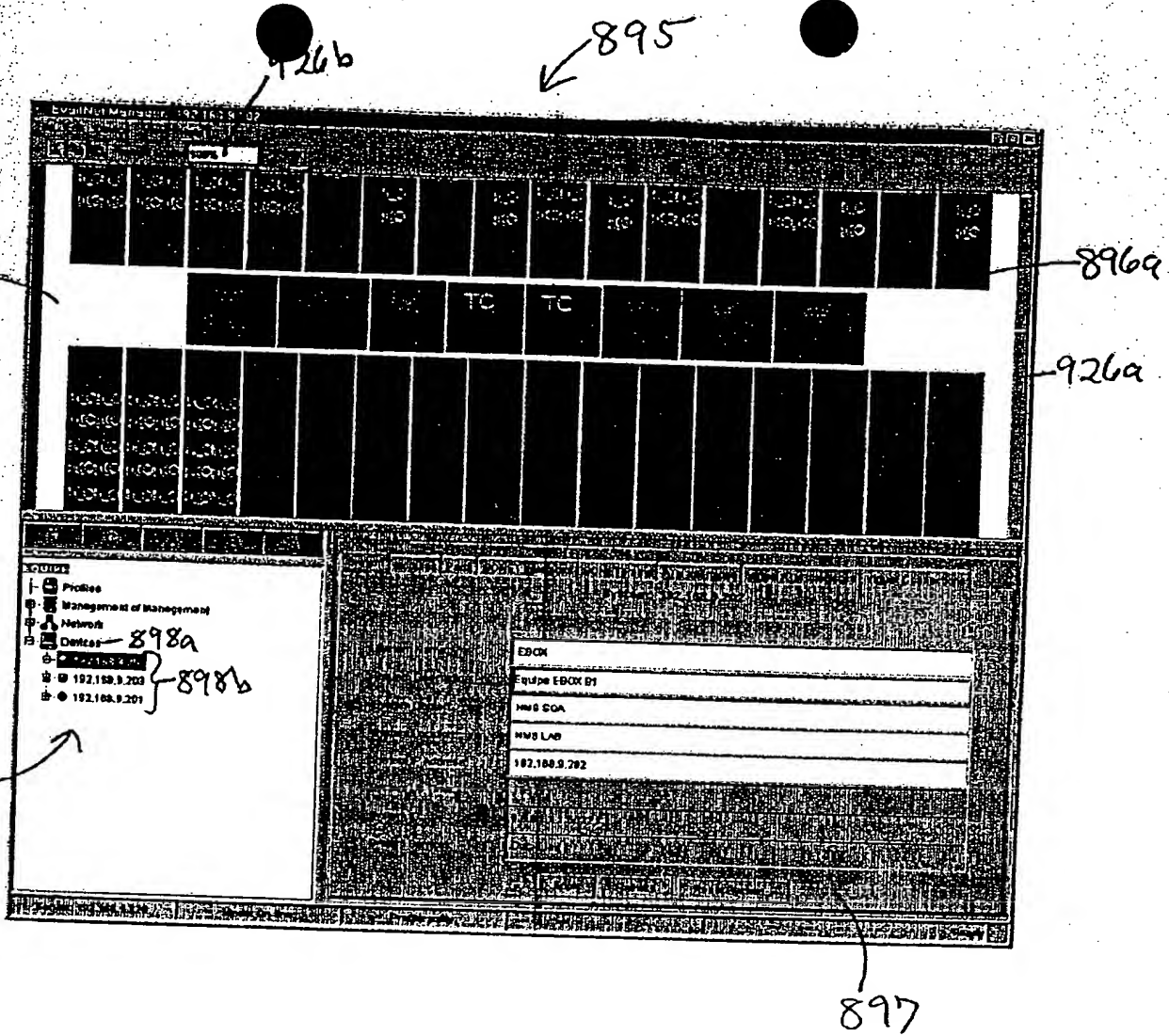


Fig. 4j

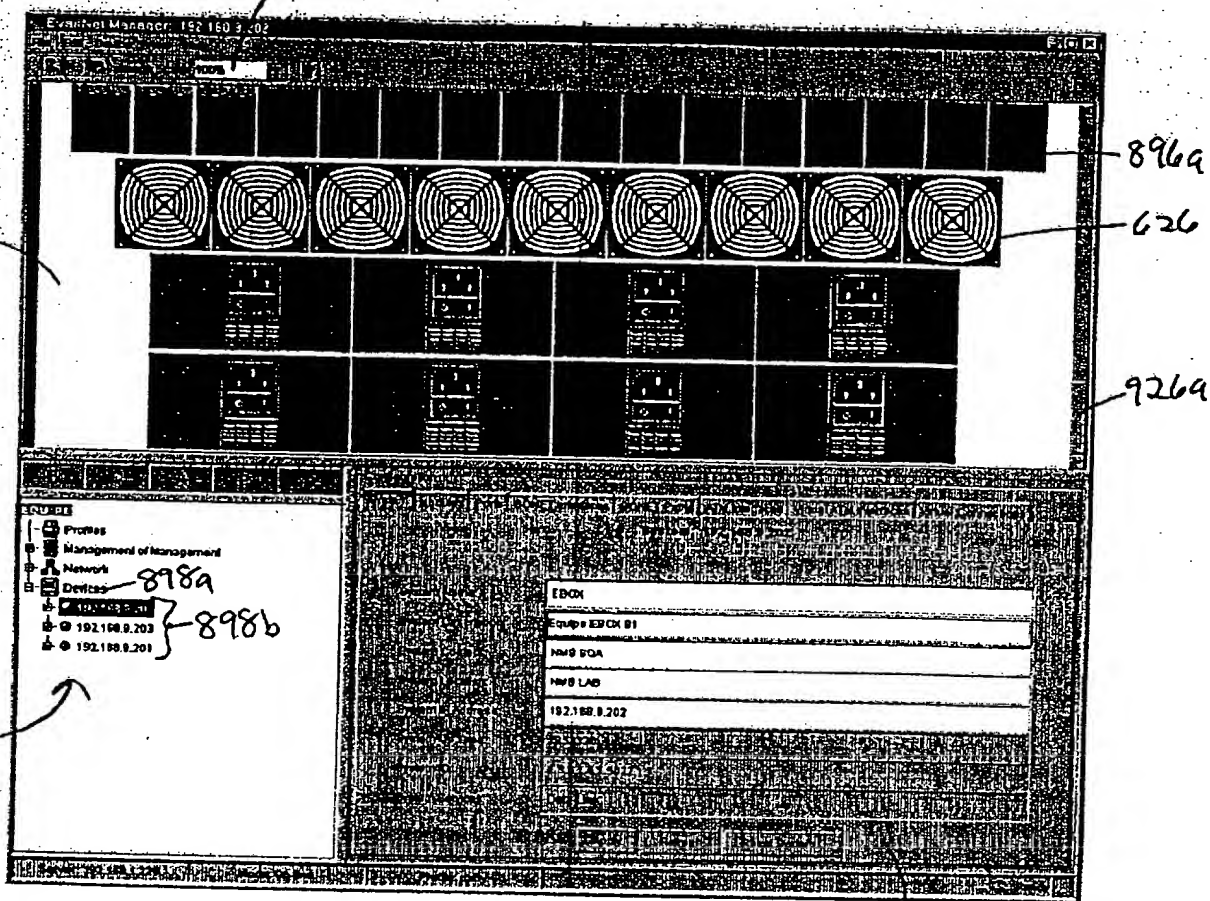


Fig. 4K

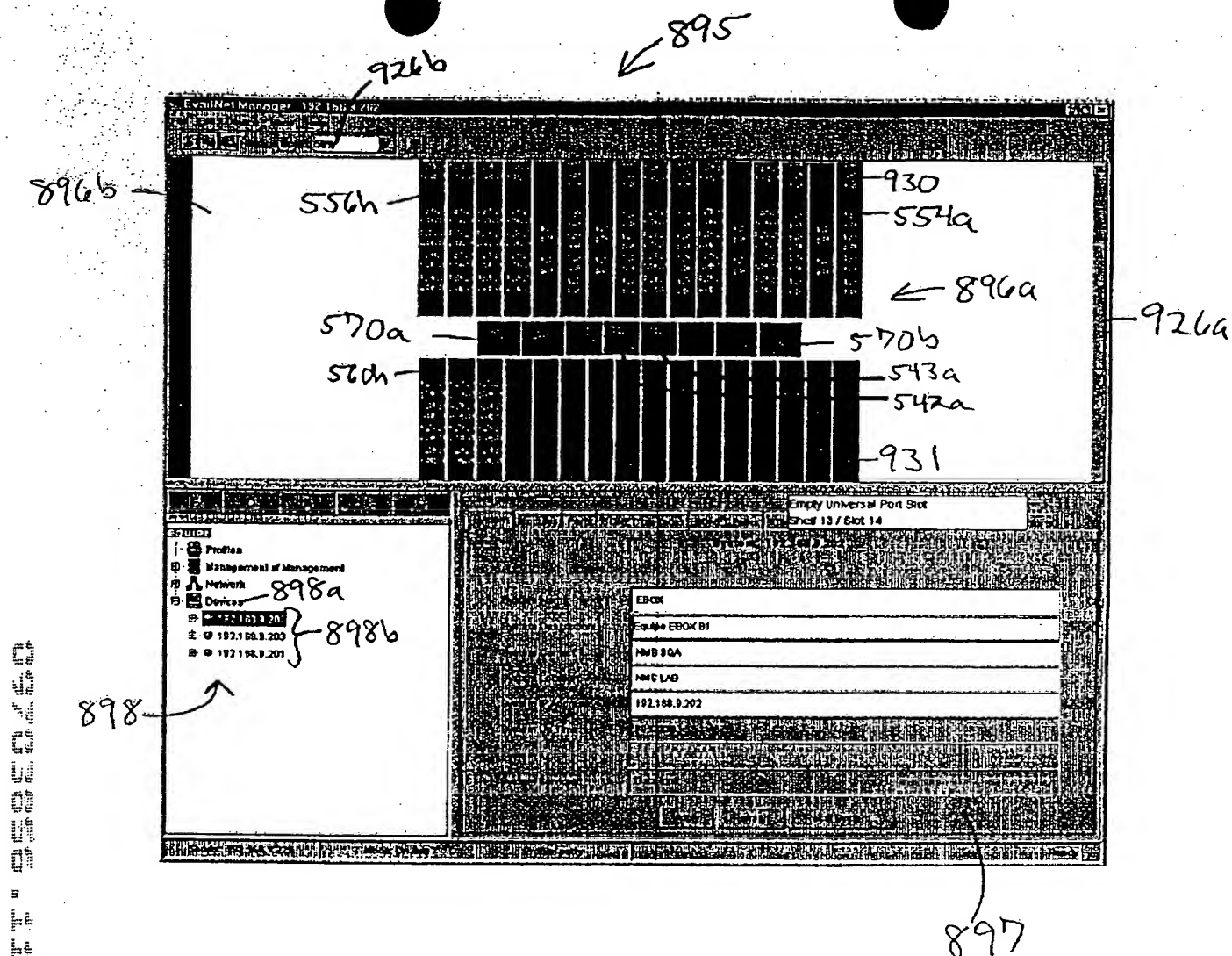


Fig. 41

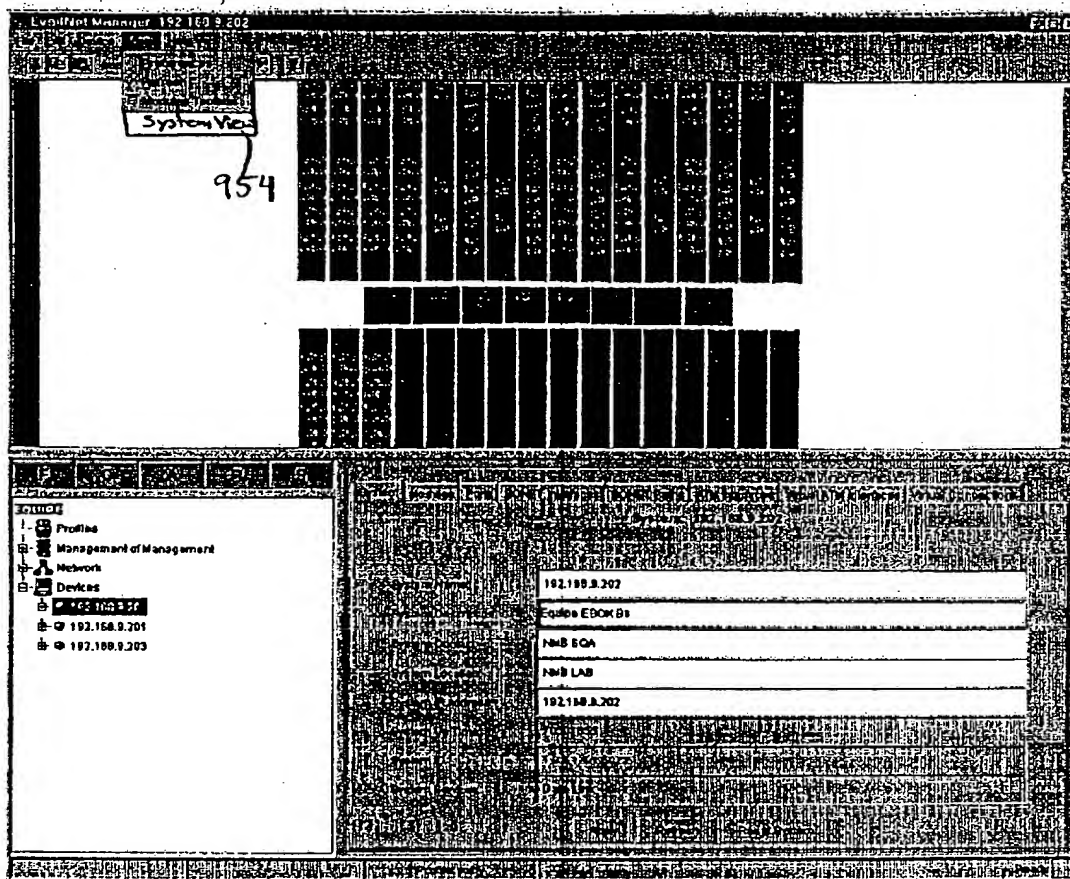
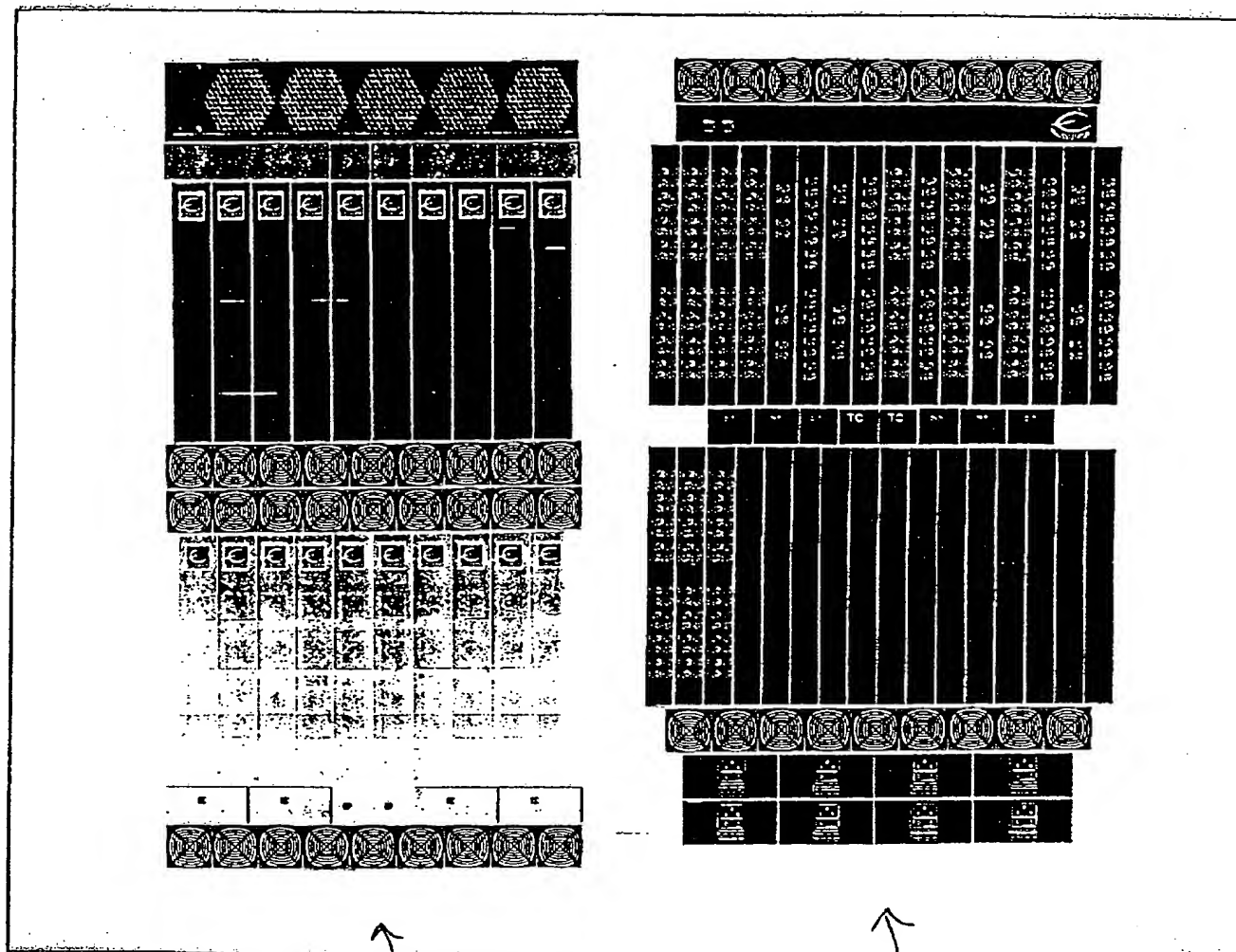


Fig. 4m

955



955a

955b

Fig. 4n

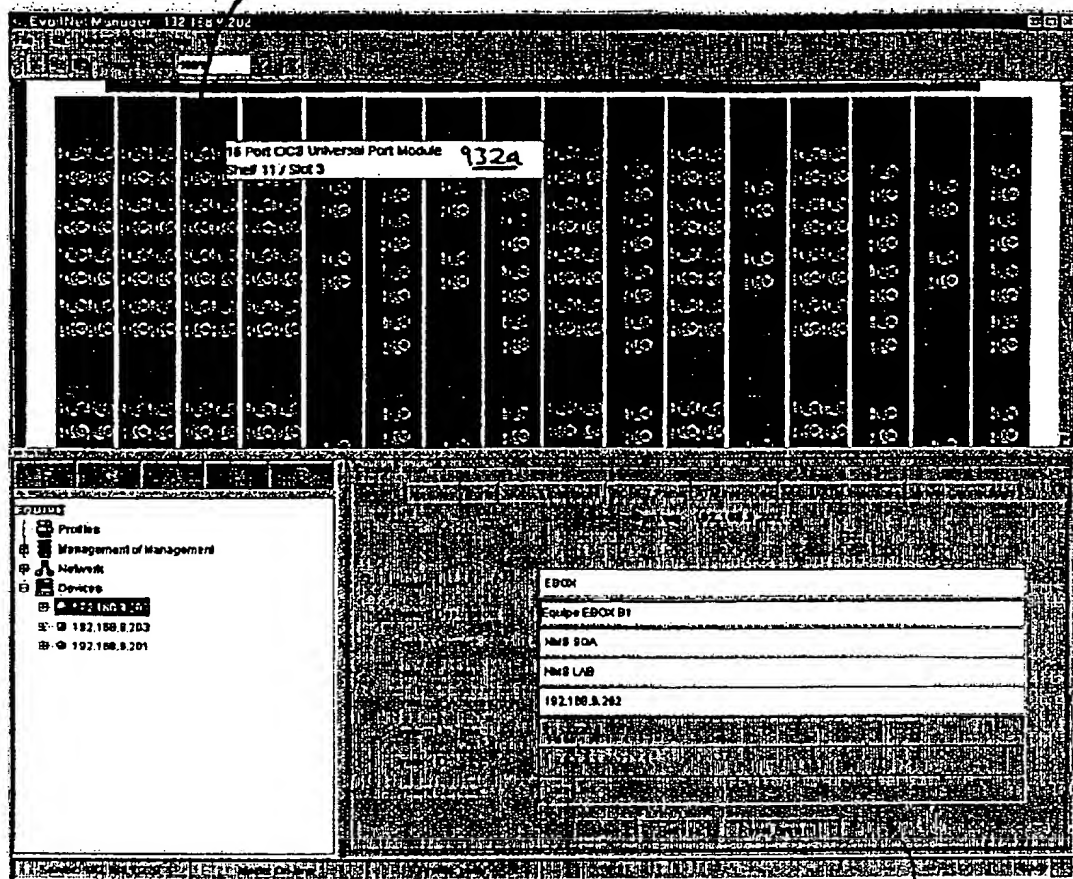


Fig.40

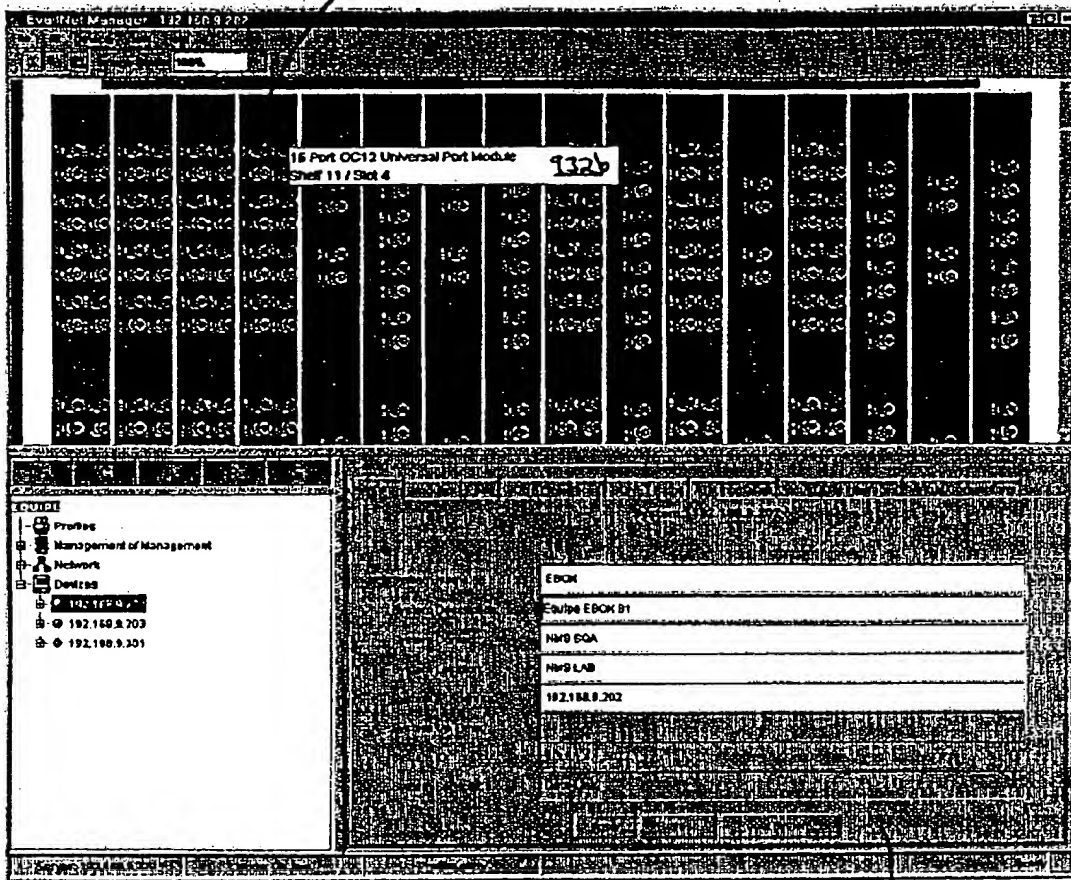
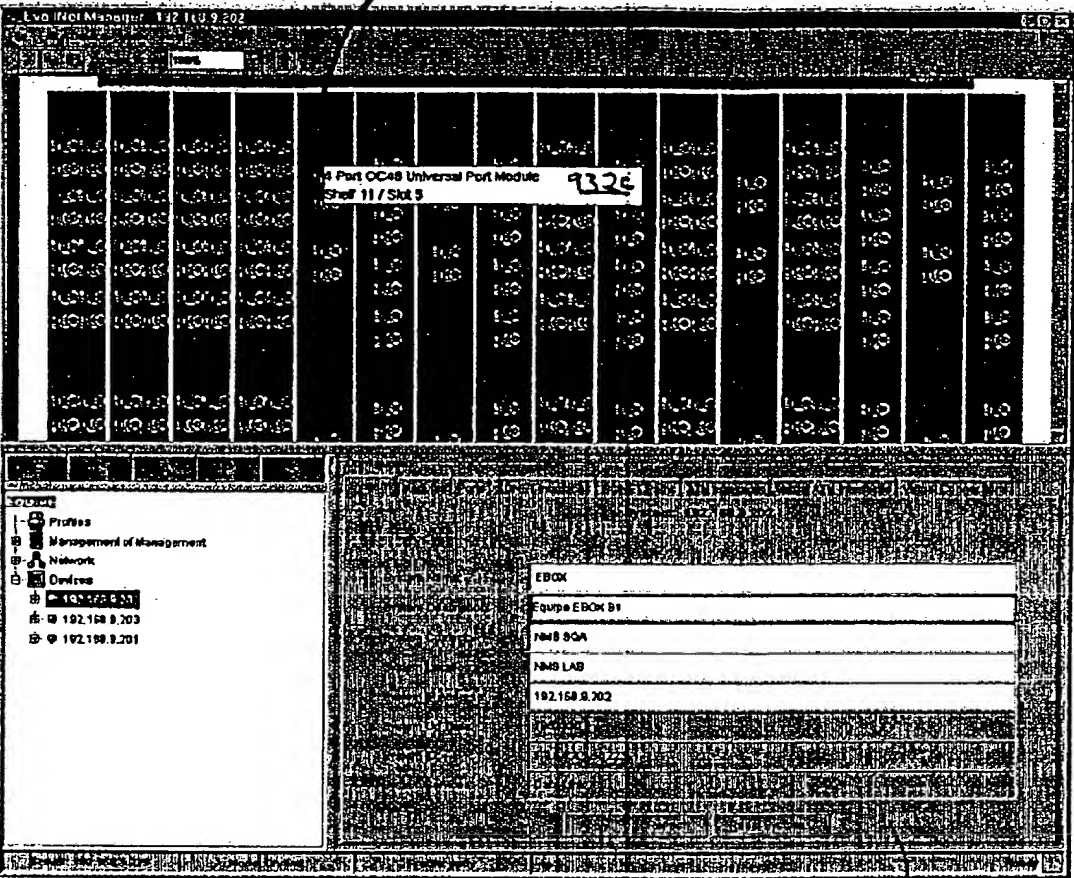


Fig. 4p



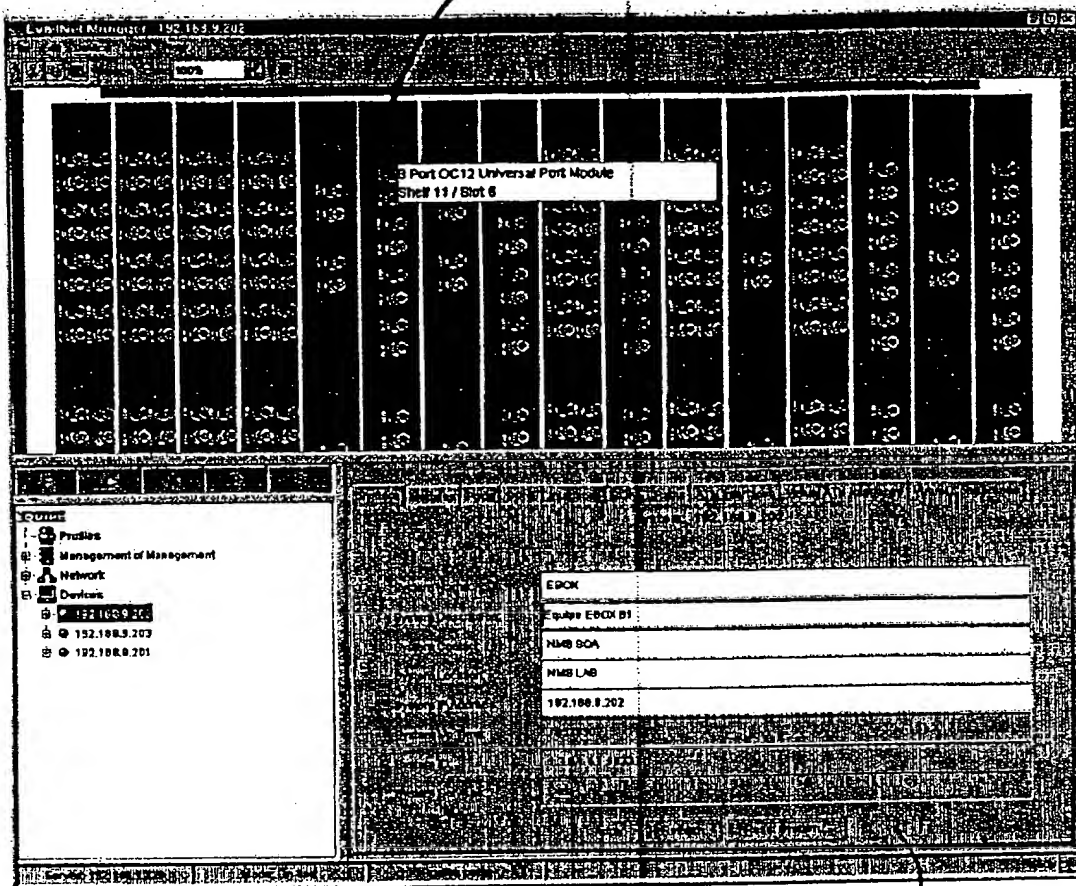
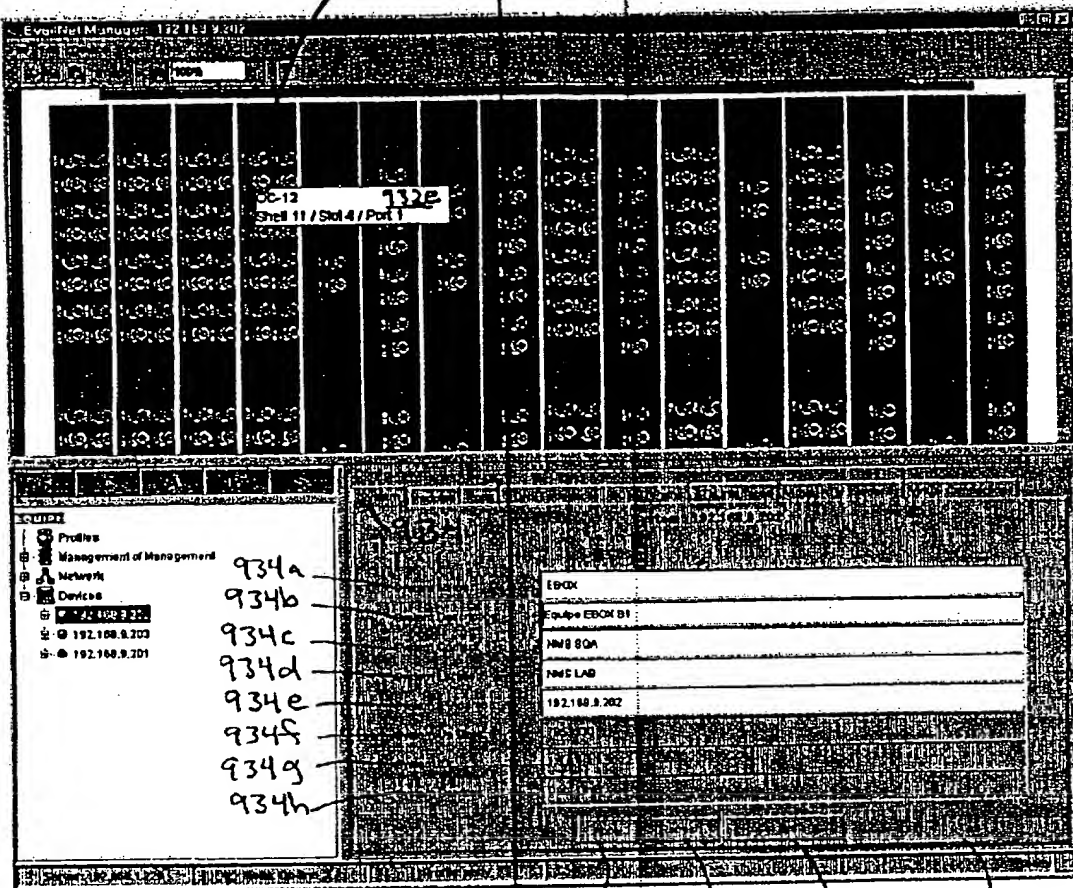


Fig. 4r

933

895



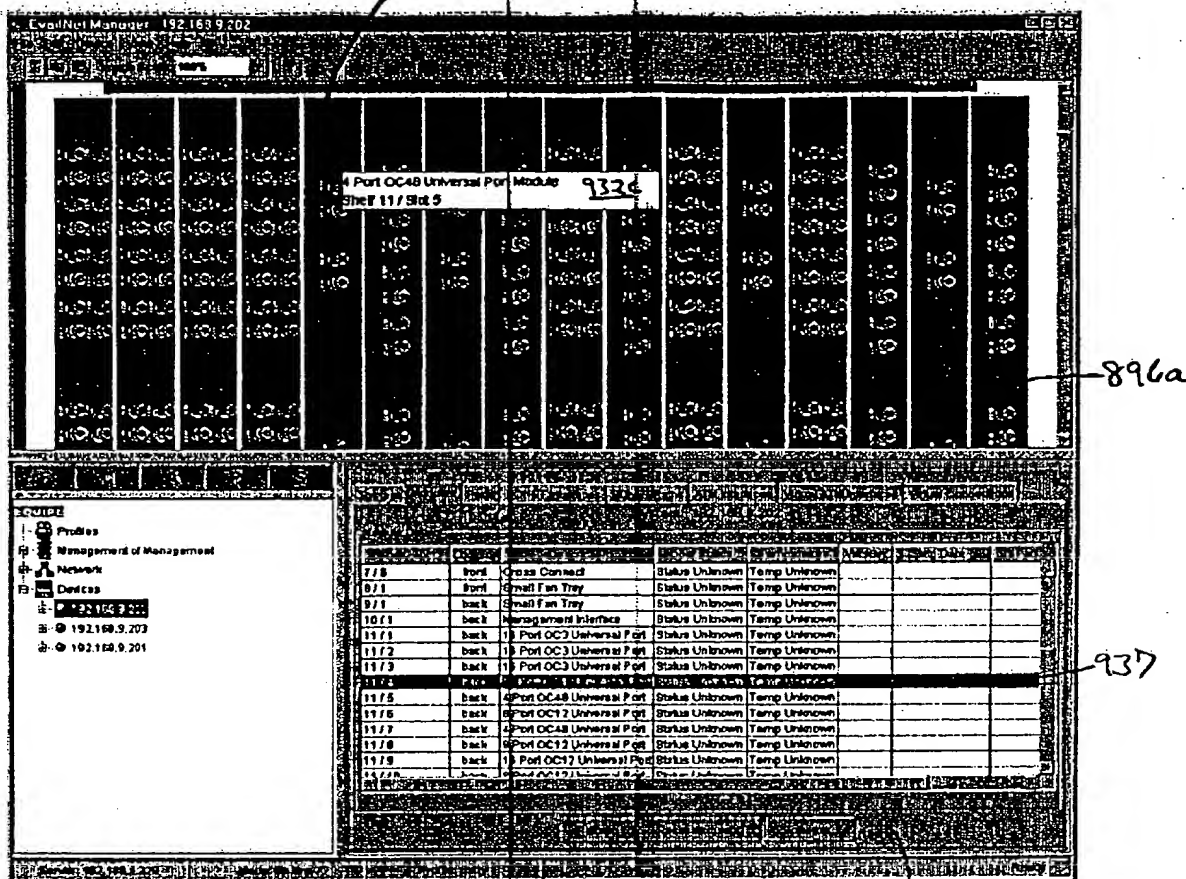
935a

935c

935b

897

Fig. 4s



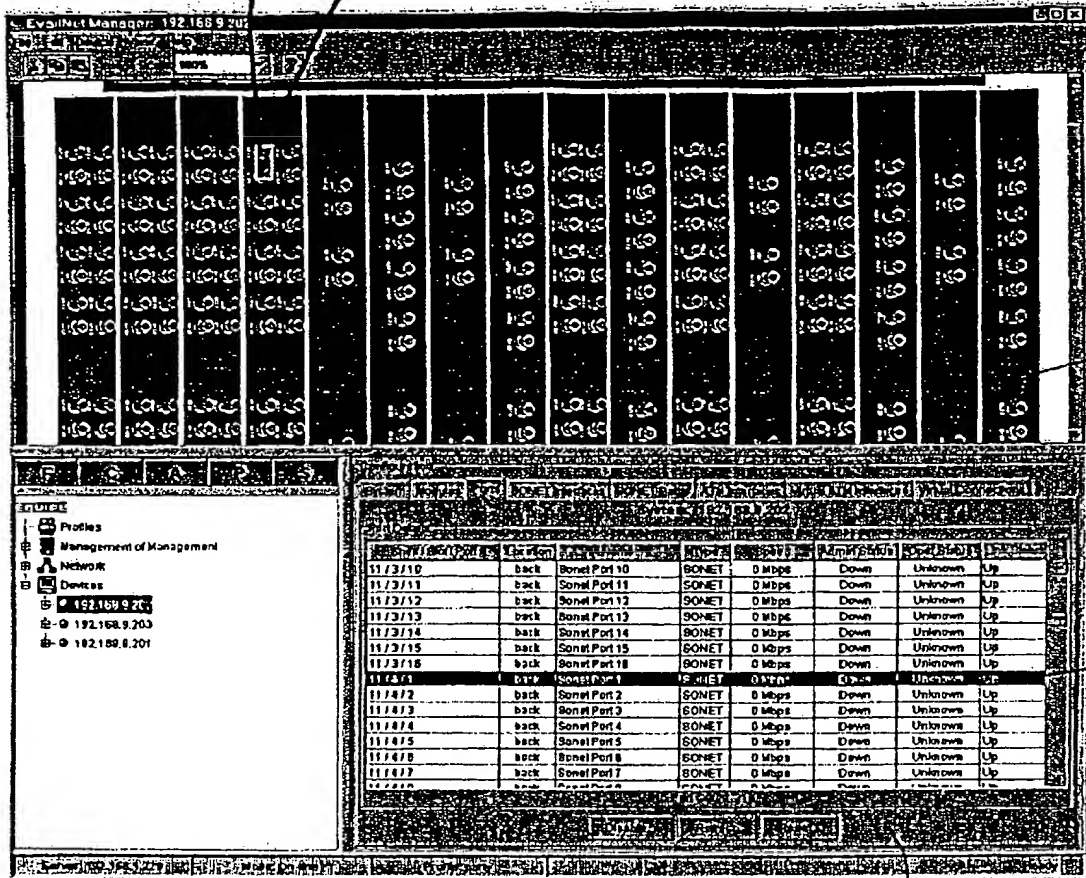
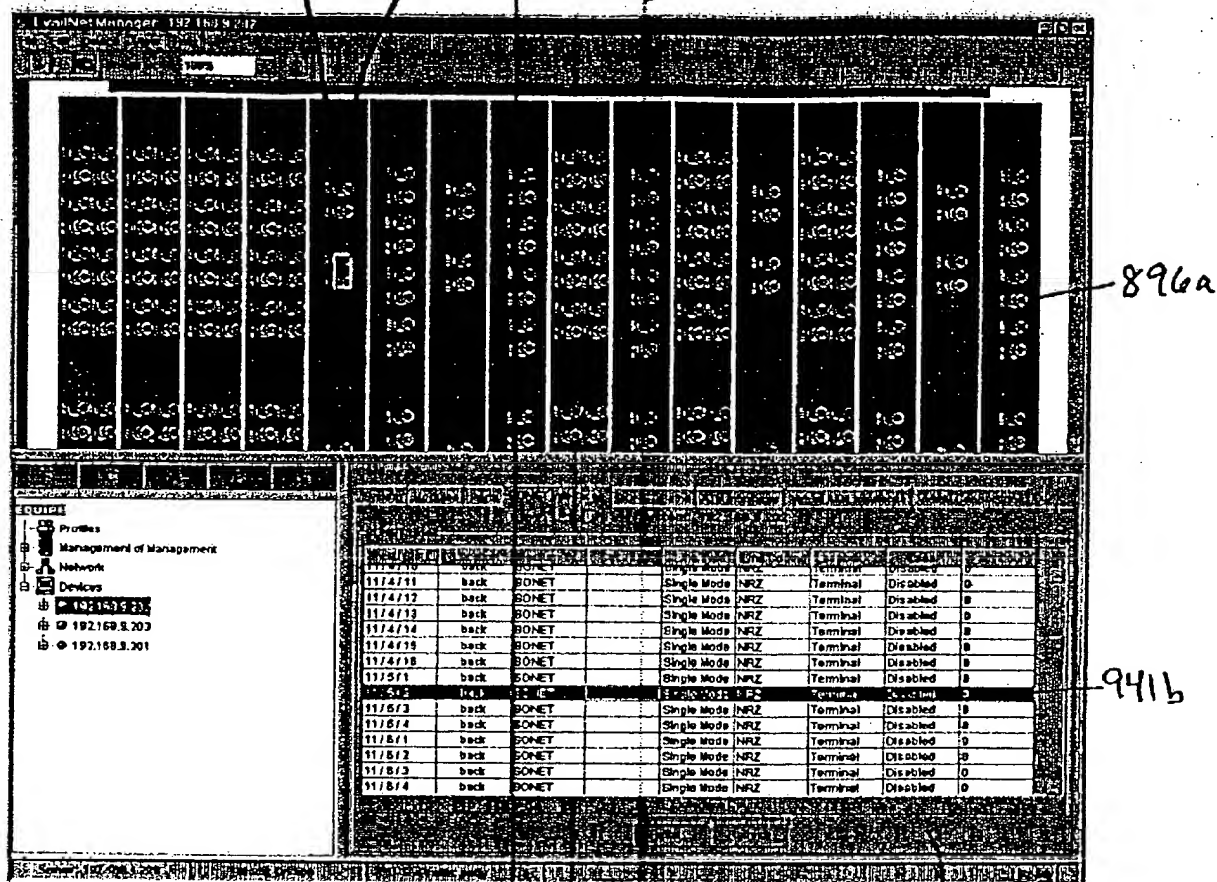


Fig. 4u



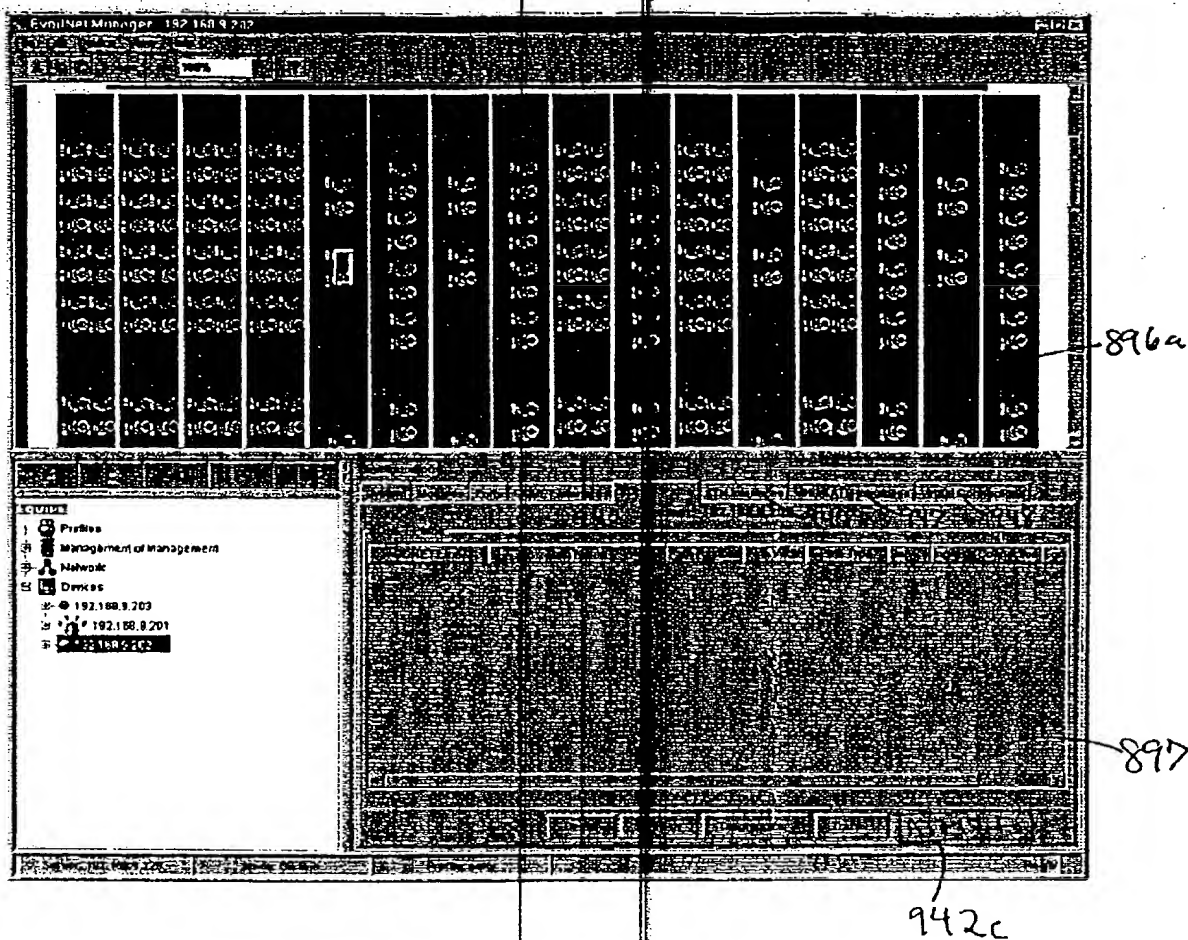


Fig. 4w

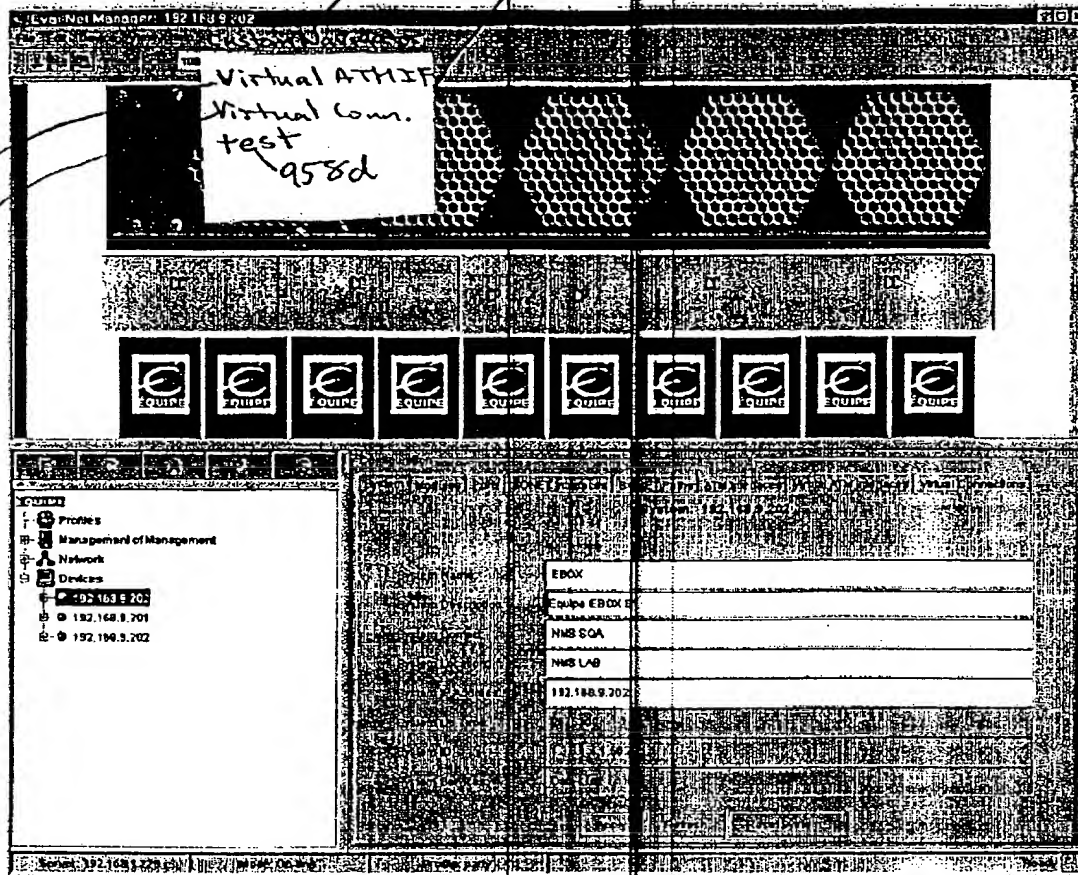


Fig. 4x

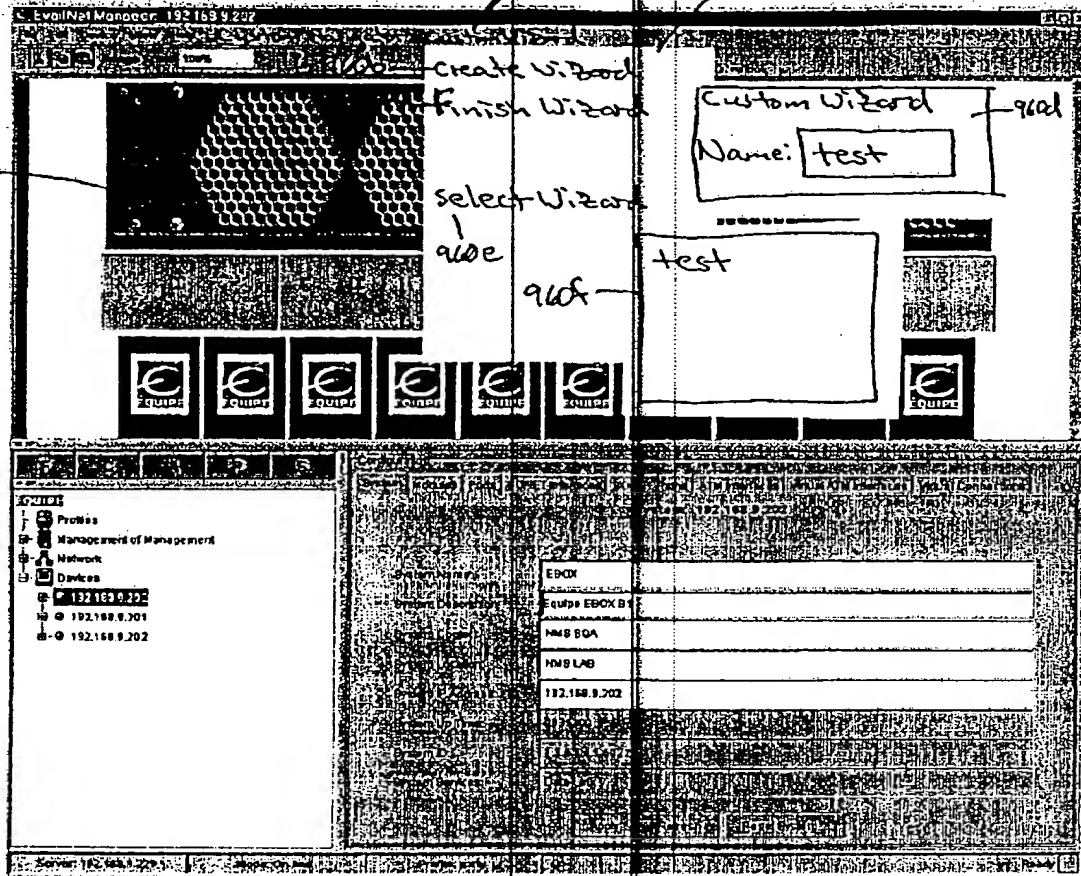


Fig. 4y

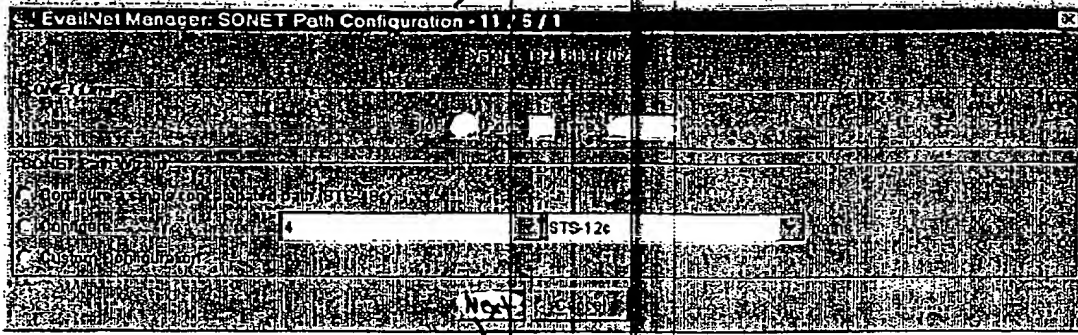


Fig. 42

CONFIDENTIAL

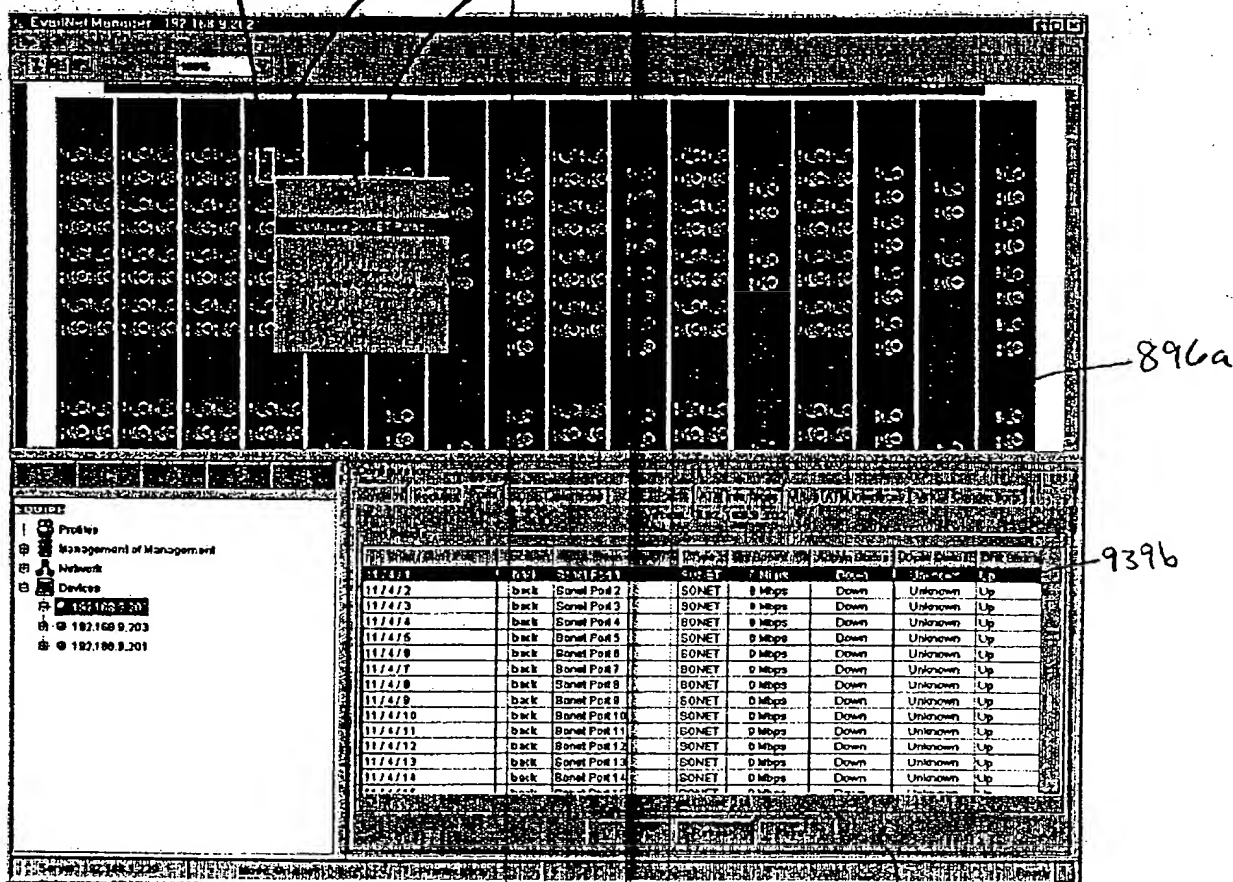


Fig. 5a

Fig. 5b

944

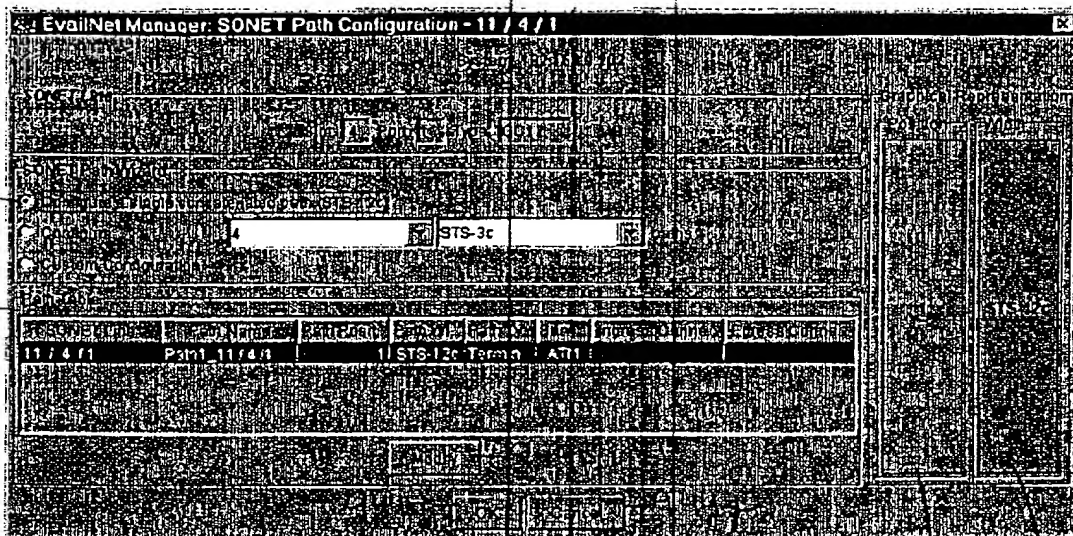
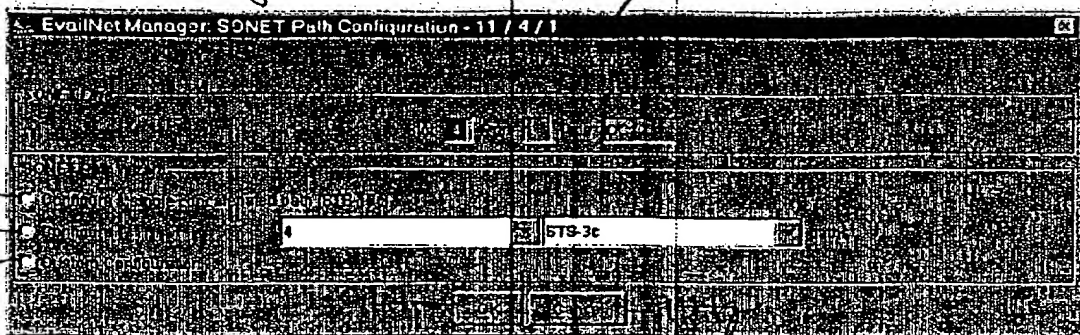


Fig. 5c

Fig. 5d

944

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

944a

944c

944g

SONET ID	Path ID	Path Label	Path Type	Path Status	Path Type	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-3c	Terminated	ATM		
11 / 4 / 1	Path2_11 /	4	STS-3c	Terminated	ATM		
11 / 4 / 1	Path3_11 /	7	STS-3c	Terminated	ATM		
11 / 4 / 1	Path4_11 /	10	STS-3c	Terminated	ATM		

944f

944e

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

944a

944c

944g

SONET ID	Path ID	Path Label	Path Type	Path Status	Path Type	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-12c	Terminated	ATM		

944

944e

944f

Fig. 5e

Fig. 5f

944

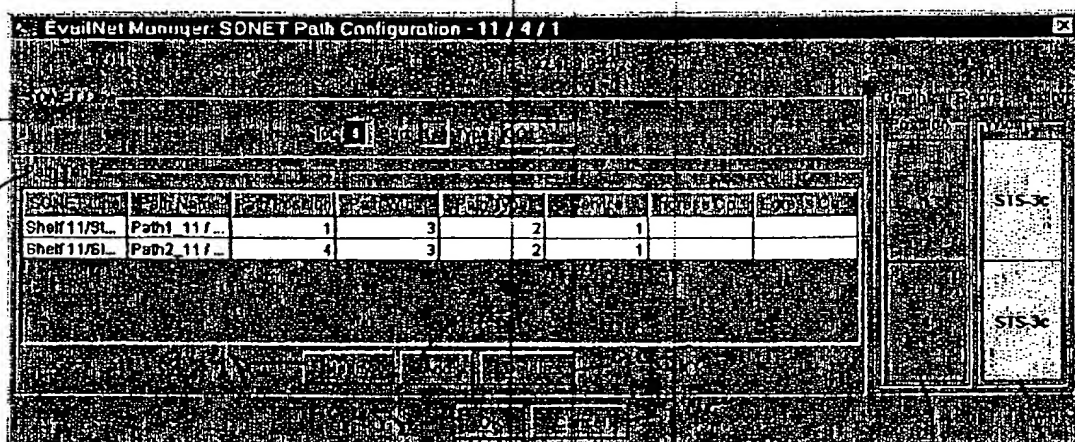
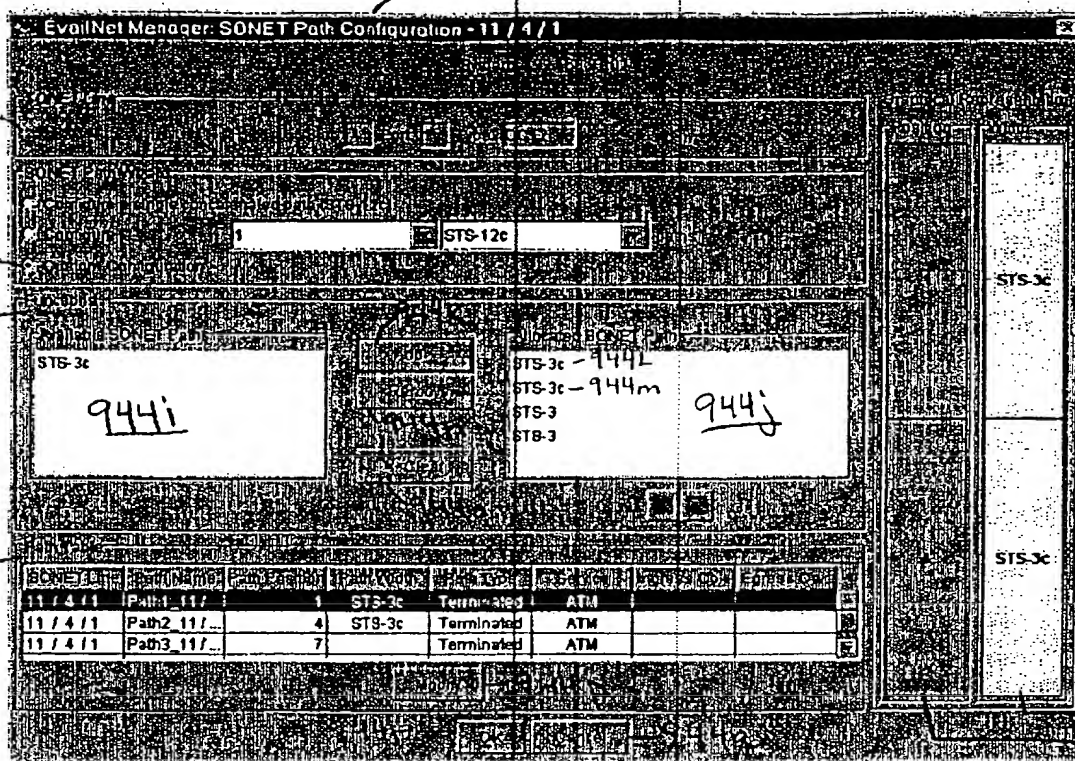


Fig. 5g

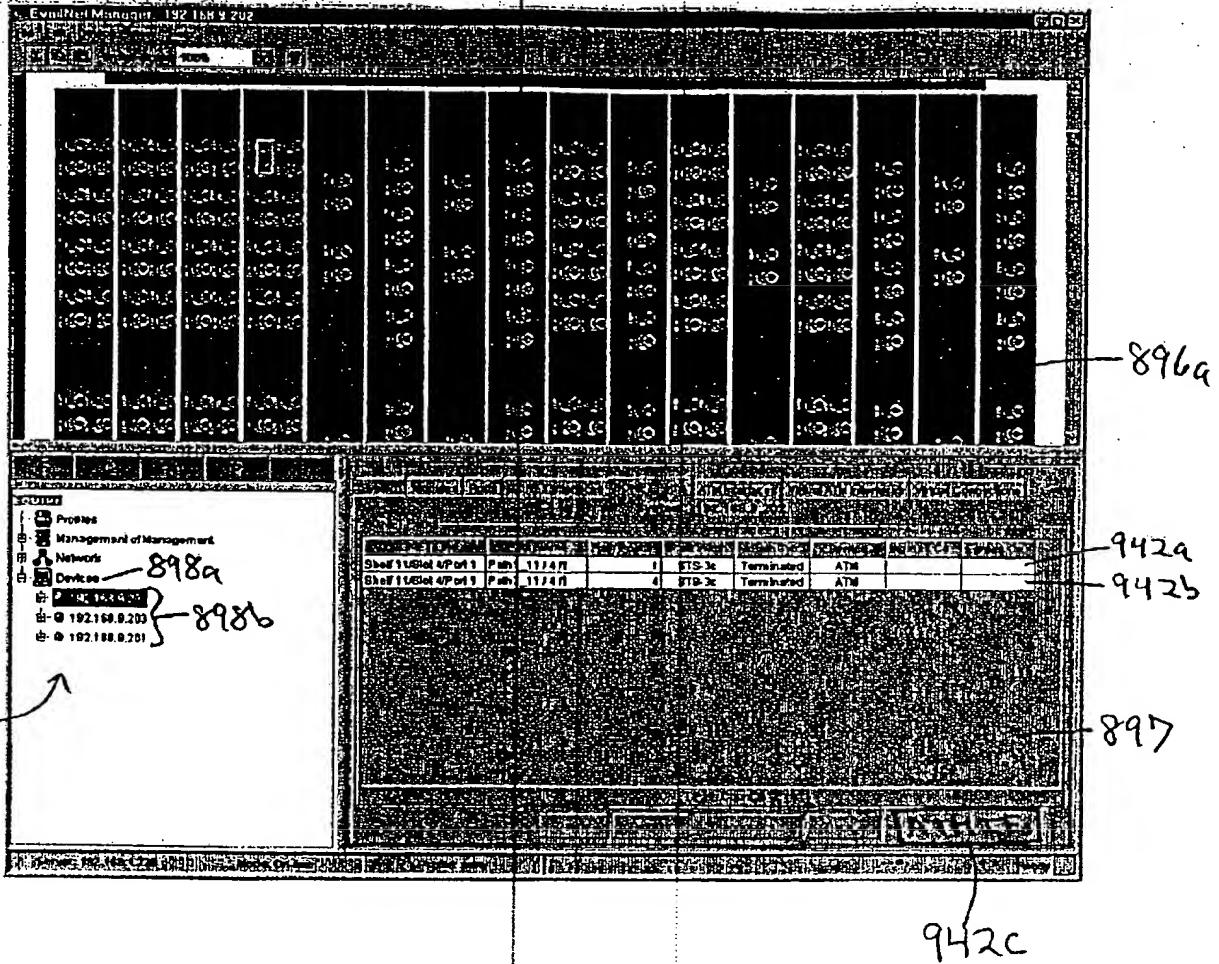
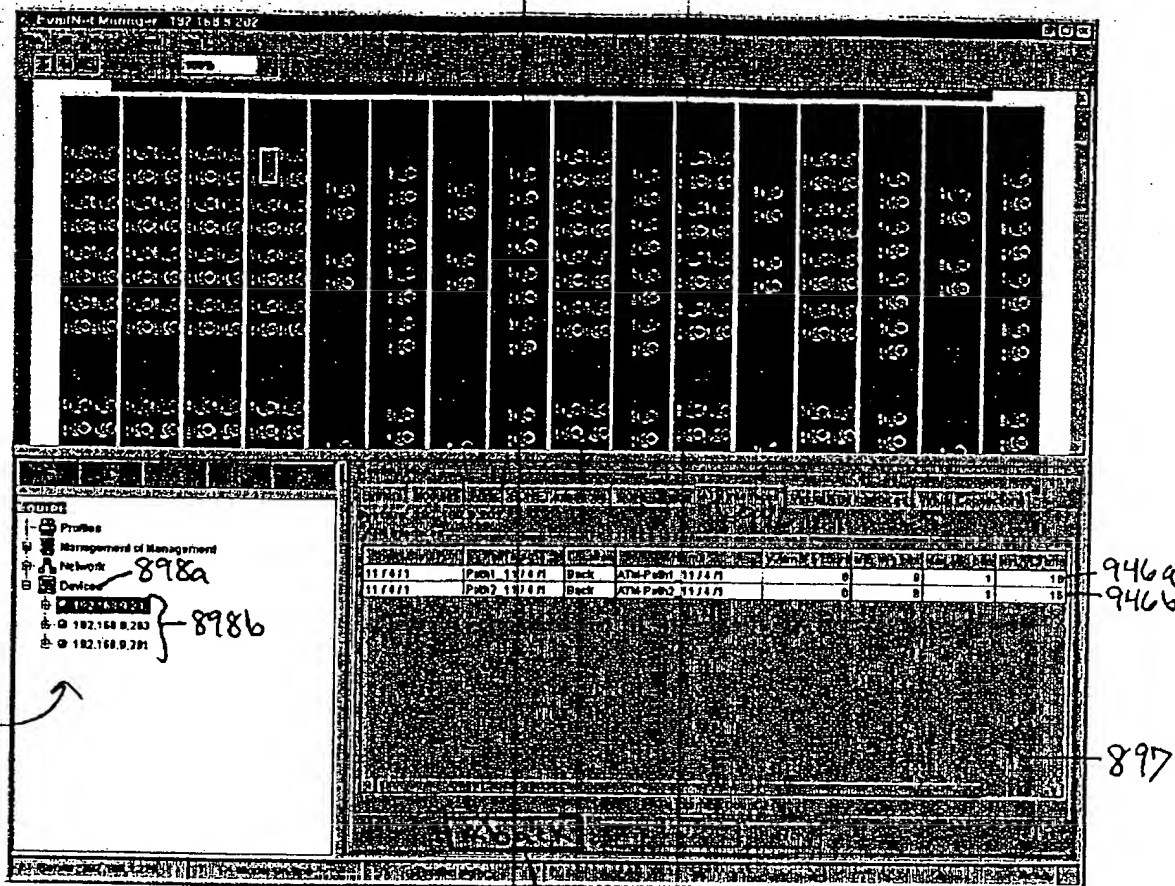


Fig. 5h

✓ 895



9466
9466

9466

-897

946h

Fig. 5:

Fig. 5j

556d

941a

895

IP Address	Host Name	Protocol	Mode	Terminal	Status	Count
117.6.1.6	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.5	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.6	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0
117.6.1.7	back	SONET	Single Mode	NRZ	Terminal Disabled	0

896a

949a

940a

Fig. 5K

Port	Mode	Terminal	Status
117.6.1.6	back	SONET	Single Mode
117.6.1.5	back	SONET	Single Mode
117.6.1.6	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode
117.6.1.7	back	SONET	Single Mode

944a

944b

944c

944d

944



944

EvailNet Manager: SONET Path Configuration - 11/5/2

Path: 11/5/2

Control Plane: 11/5/2: Telm...

Path: 11/5/2

Path Segment	Path Segment	Path Segment	Path Segment	Path Segment	Path Segment	Path Segment	Path Segment
11/5/2	Path: 11/5/2	11/5/2: Telm...	Path: 11/5/2	11/5/2: Telm...	Path: 11/5/2	11/5/2: Telm...	Path: 11/5/2

946/a

94416

१५५८

944

9440

91142

-944e

EvalNet Manager: SONET Path Configuration - 11 / 5 / 2

SONET

11 / 5 / 2

Path1

Path2

Path3

Path4

SONET PATH	PATH NAME	CROSSPOINT	TERMINAL	STATUS	TYPE	MST	CROSSPOINT
11 / 5 / 2	Path1 11 / 2	1	STS-12c	Terminated	ATM		
11 / 5 / 2	Path2 11 / 2	13	STS-12c	Terminated	ATM		
11 / 5 / 2	Path3 11 / 2	25	STS-12c	Terminated	ATM		
11 / 5 / 2	Path4 11 / 2	37	STS-12c	Terminated	ATM		

Display

Close

944a

9446

944C

944d

१५५ अ

9445

9440

944

Fig. 5m

Fig. 5n

944

944a

944b

944c

944d

944g

EvailNet Manager: SONET Path Configuration - 11/5/2

11/5/2 Path1 11/ STS-48c Terminals ATM

16 944s

944f 944e

944a

944b

944c

944d

944g

EvailNet Manager: SONET Path Configuration - 11/5/2

11/5/2 Path1 11/5/2 STS-3c Terminals ATM

Path	Path Name	STS	Terminals	ATM	
11/5/2	Path1 11/5/2	1	STS-3c	Terminals	ATM
11/5/2	Path2 11/5/2	4	STS-3c	Terminals	ATM
11/5/2	Path3 11/5/2	7	STS-3c	Terminals	ATM
11/5/2	Path4 11/5/2	10	STS-3c	Terminals	ATM
11/5/2	Path5 11/5/2	13	STS-3c	Terminals	ATM
11/5/2	Path6 11/5/2	16	STS-3c	Terminals	ATM
11/5/2	Path7 11/5/2	19	STS-3c	Terminals	ATM

944f 944e

944

Fig. 5o

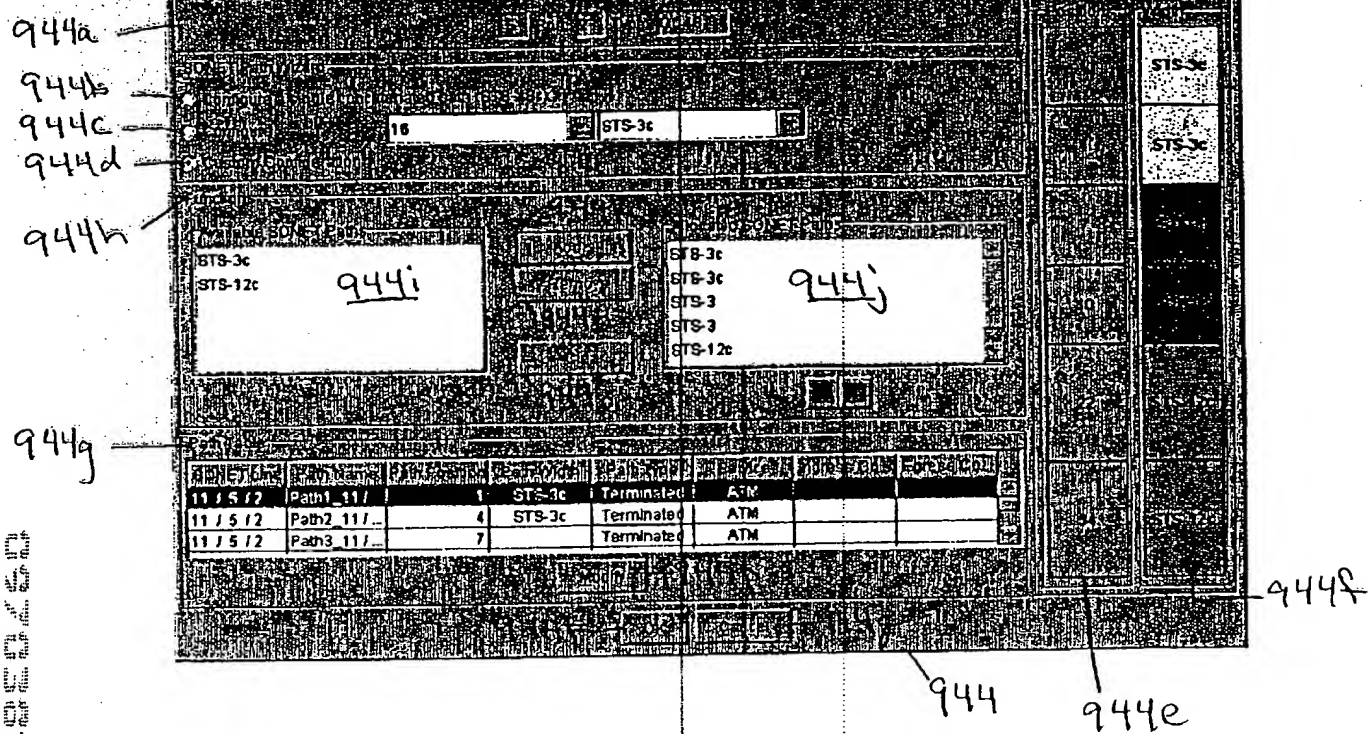
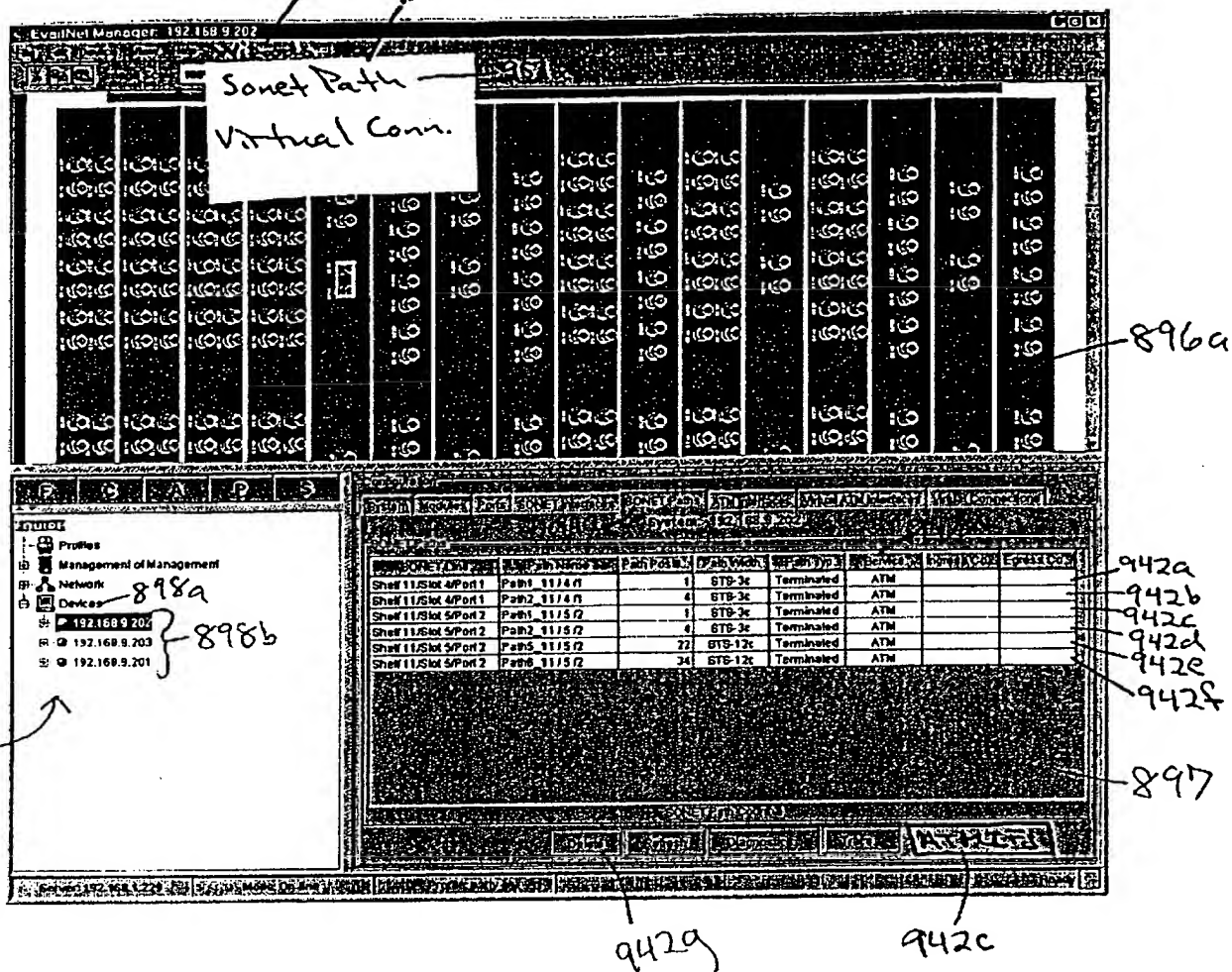


Fig. 5p



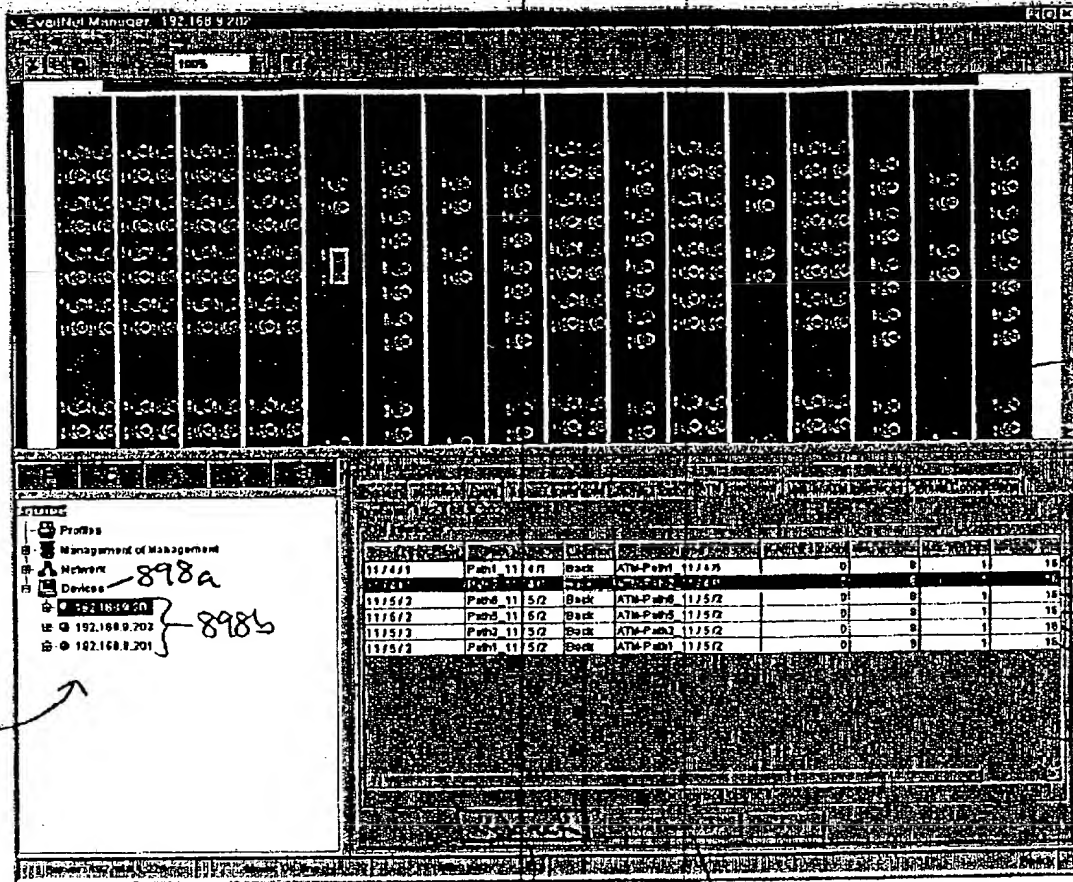


Fig. 5r

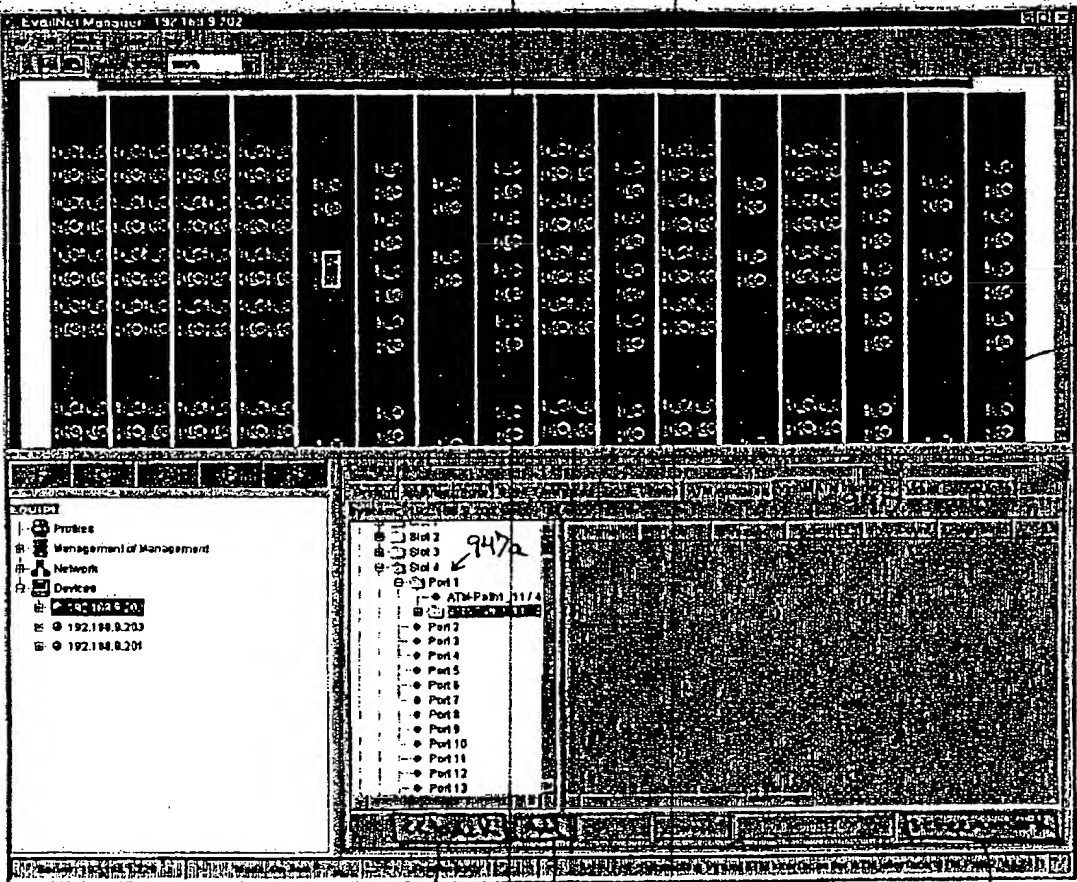


Fig. 5s

Fig. 5†

950

Add V-ATM Interface - 192.168.9.202

Search Options: All / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25 / 26 / 27 / 28 / 29 / 30 / 31 / 32 / 33 / 34 / 35 / 36 / 37 / 38 / 39 / 40 / 41 / 42 / 43 / 44 / 45 / 46 / 47 / 48 / 49 / 50 / 51 / 52 / 53 / 54 / 55 / 56 / 57 / 58 / 59 / 60 / 61 / 62 / 63 / 64 / 65 / 66 / 67 / 68 / 69 / 70 / 71 / 72 / 73 / 74 / 75 / 76 / 77 / 78 / 79 / 80 / 81 / 82 / 83 / 84 / 85 / 86 / 87 / 88 / 89 / 90 / 91 / 92 / 93 / 94 / 95 / 96 / 97 / 98 / 99 / 100 / 101 / 102 / 103 / 104 / 105 / 106 / 107 / 108 / 109 / 110 / 111 / 112 / 113 / 114 / 115 / 116 / 117 / 118 / 119 / 120 / 121 / 122 / 123 / 124 / 125 / 126 / 127 / 128 / 129 / 130 / 131 / 132 / 133 / 134 / 135 / 136 / 137 / 138 / 139 / 140 / 141 / 142 / 143 / 144 / 145 / 146 / 147 / 148 / 149 / 150 / 151 / 152 / 153 / 154 / 155 / 156 / 157 / 158 / 159 / 160 / 161 / 162 / 163 / 164 / 165 / 166 / 167 / 168 / 169 / 170 / 171 / 172 / 173 / 174 / 175 / 176 / 177 / 178 / 179 / 180 / 181 / 182 / 183 / 184 / 185 / 186 / 187 / 188 / 189 / 190 / 191 / 192 / 193 / 194 / 195 / 196 / 197 / 198 / 199 / 200 / 201 / 202 / 203 / 204 / 205 / 206 / 207 / 208 / 209 / 210 / 211 / 212 / 213 / 214 / 215 / 216 / 217 / 218 / 219 / 220 / 221 / 222 / 223 / 224 / 225 / 226 / 227 / 228 / 229 / 230 / 231 / 232 / 233 / 234 / 235 / 236 / 237 / 238 / 239 / 240 / 241 / 242 / 243 / 244 / 245 / 246 / 247 / 248 / 249 / 250 / 251 / 252 / 253 / 254 / 255 / 256 / 257 / 258 / 259 / 260 / 261 / 262 / 263 / 264 / 265 / 266 / 267 / 268 / 269 / 270 / 271 / 272 / 273 / 274 / 275 / 276 / 277 / 278 / 279 / 280 / 281 / 282 / 283 / 284 / 285 / 286 / 287 / 288 / 289 / 290 / 291 / 292 / 293 / 294 / 295 / 296 / 297 / 298 / 299 / 300 / 301 / 302 / 303 / 304 / 305 / 306 / 307 / 308 / 309 / 310 / 311 / 312 / 313 / 314 / 315 / 316 / 317 / 318 / 319 / 320 / 321 / 322 / 323 / 324 / 325 / 326 / 327 / 328 / 329 / 330 / 331 / 332 / 333 / 334 / 335 / 336 / 337 / 338 / 339 / 340 / 341 / 342 / 343 / 344 / 345 / 346 / 347 / 348 / 349 / 350 / 351 / 352 / 353 / 354 / 355 / 356 / 357 / 358 / 359 / 360 / 361 / 362 / 363 / 364 / 365 / 366 / 367 / 368 / 369 / 370 / 371 / 372 / 373 / 374 / 375 / 376 / 377 / 378 / 379 / 380 / 381 / 382 / 383 / 384 / 385 / 386 / 387 / 388 / 389 / 390 / 391 / 392 / 393 / 394 / 395 / 396 / 397 / 398 / 399 / 400 / 401 / 402 / 403 / 404 / 405 / 406 / 407 / 408 / 409 / 410 / 411 / 412 / 413 / 414 / 415 / 416 / 417 / 418 / 419 / 420 / 421 / 422 / 423 / 424 / 425 / 426 / 427 / 428 / 429 / 430 / 431 / 432 / 433 / 434 / 435 / 436 / 437 / 438 / 439 / 440 / 441 / 442 / 443 / 444 / 445 / 446 / 447 / 448 / 449 / 450 / 451 / 452 / 453 / 454 / 455 / 456 / 457 / 458 / 459 / 460 / 461 / 462 / 463 / 464 / 465 / 466 / 467 / 468 / 469 / 470 / 471 / 472 / 473 / 474 / 475 / 476 / 477 / 478 / 479 / 480 / 481 / 482 / 483 / 484 / 485 / 486 / 487 / 488 / 489 / 490 / 491 / 492 / 493 / 494 / 495 / 496 / 497 / 498 / 499 / 500 / 501 / 502 / 503 / 504 / 505 / 506 / 507 / 508 / 509 / 510 / 511 / 512 / 513 / 514 / 515 / 516 / 517 / 518 / 519 / 520 / 521 / 522 / 523 / 524 / 525 / 526 / 527 / 528 / 529 / 530 / 531 / 532 / 533 / 534 / 535 / 536 / 537 / 538 / 539 / 540 / 541 / 542 / 543 / 544 / 545 / 546 / 547 / 548 / 549 / 550 / 551 / 552 / 553 / 554 / 555 / 556 / 557 / 558 / 559 / 560 / 561 / 562 / 563 / 564 / 565 / 566 / 567 / 568 / 569 / 570 / 571 / 572 / 573 / 574 / 575 / 576 / 577 / 578 / 579 / 580 / 581 / 582 / 583 / 584 / 585 / 586 / 587 / 588 / 589 / 590 / 591 / 592 / 593 / 594 / 595 / 596 / 597 / 598 / 599 / 600 / 601 / 602 / 603 / 604 / 605 / 606 / 607 / 608 / 609 / 610 / 611 / 612 / 613 / 614 / 615 / 616 / 617 / 618 / 619 / 620 / 621 / 622 / 623 / 624 / 625 / 626 / 627 / 628 / 629 / 630 / 631 / 632 / 633 / 634 / 635 / 636 / 637 / 638 / 639 / 640 / 641 / 642 / 643 / 644 / 645 / 646 / 647 / 648 / 649 / 650 / 651 / 652 / 653 / 654 / 655 / 656 / 657 / 658 / 659 / 660 / 661 / 662 / 663 / 664 / 665 / 666 / 667 / 668 / 669 / 670 / 671 / 672 / 673 / 674 / 675 / 676 / 677 / 678 / 679 / 680 / 681 / 682 / 683 / 684 / 685 / 686 / 687 / 688 / 689 / 690 / 691 / 692 / 693 / 694 / 695 / 696 / 697 / 698 / 699 / 700 / 701 / 702 / 703 / 704 / 705 / 706 / 707 / 708 / 709 / 710 / 711 / 712 / 713 / 714 / 715 / 716 / 717 / 718 / 719 / 720 / 721 / 722 / 723 / 724 / 725 / 726 / 727 / 728 / 729 / 730 / 731 / 732 / 733 / 734 / 735 / 736 / 737 / 738 / 739 / 740 / 741 / 742 / 743 / 744 / 745 / 746 / 747 / 748 / 749 / 750 / 751 / 752 / 753 / 754 / 755 / 756 / 757 / 758 / 759 / 760 / 761 / 762 / 763 / 764 / 765 / 766 / 767 / 768 / 769 / 770 / 771 / 772 / 773 / 774 / 775 / 776 / 777 / 778 / 779 / 780 / 781 / 782 / 783 / 784 / 785 / 786 / 787 / 788 / 789 / 790 / 791 / 792 / 793 / 794 / 795 / 796 / 797 / 798 / 799 / 800 / 801 / 802 / 803 / 804 / 805 / 806 / 807 / 808 / 809 / 810 / 811

950d.

950a

9506

950c

The screenshot displays the C-ViewNet Manager application. The top window is a grid of IP addresses, with a '100%' zoom level indicated. The bottom window is divided into a 'GUIDE' pane on the left and a main network diagram area on the right. The 'GUIDE' pane shows a tree view of network components, including 'Probes', 'Management of Management', 'Network', and 'Devices'. The main area shows a network diagram with a central node labeled '192.168.3.203' and a list of ports (Port 1 to Port 8) on the right. A large '947a' is handwritten on the screen.

-947c

9476

Fig. 5u

556d 941a

← 895

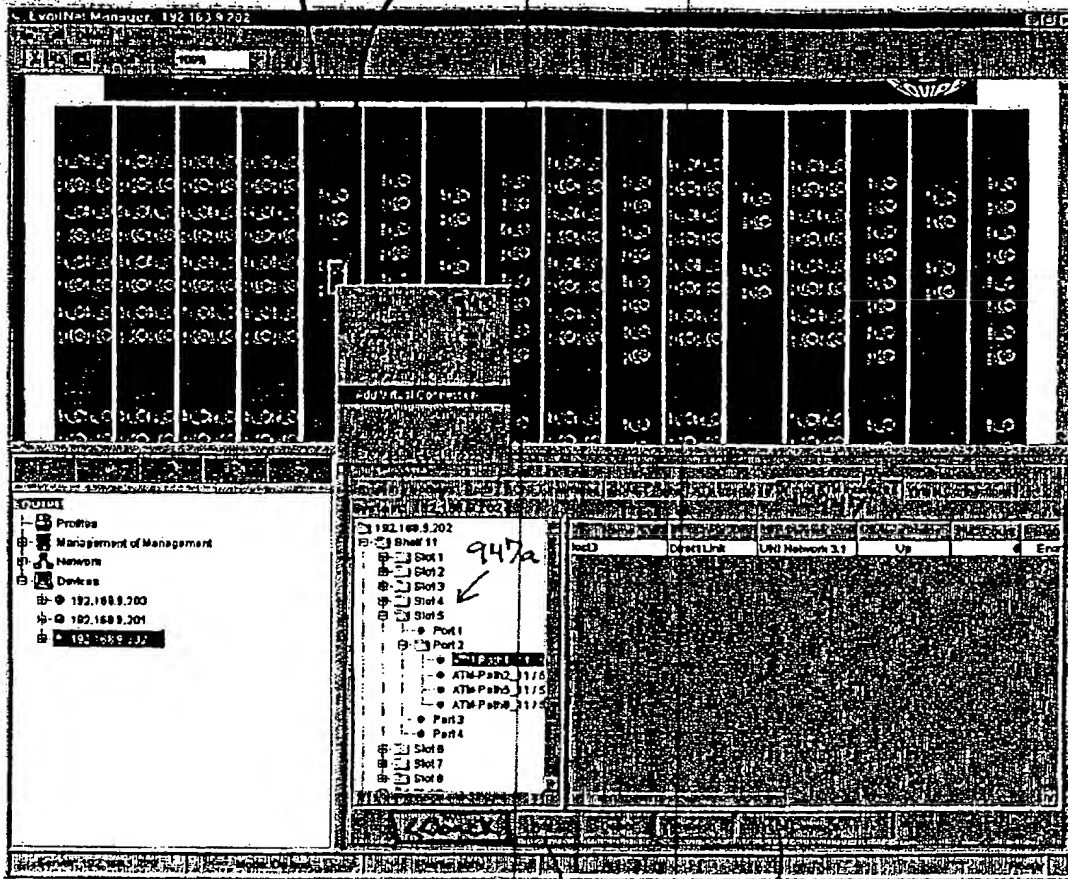


Fig. 5v

952

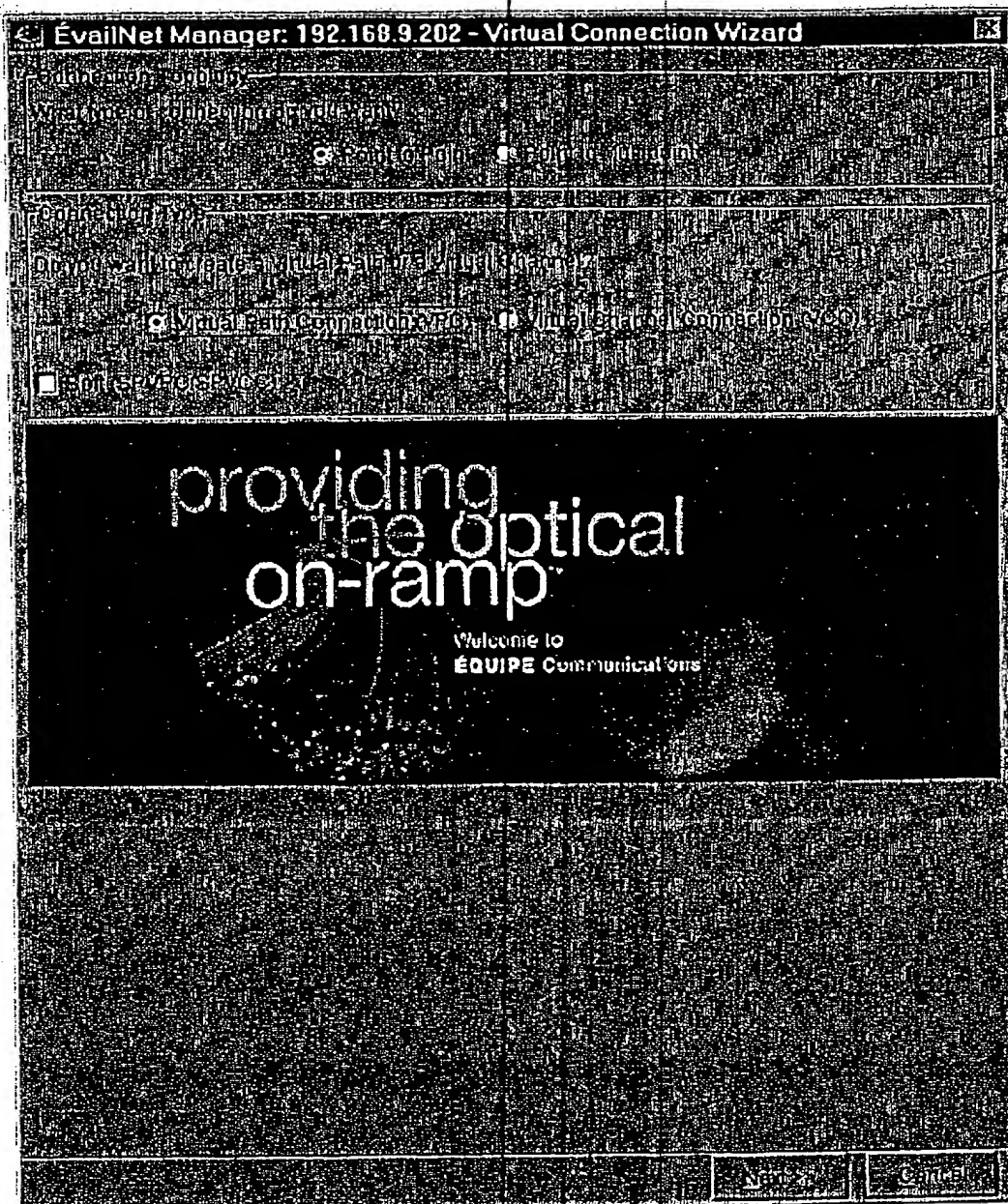


Fig. 5w

← 953

ÉvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Slot 4
Port 1
ATM-Path1_11/4/1
ATM-Path2_11/4/1
test1
test2
Port 2
Port 3
Port 4

Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/5/2
test3
ATM-Path2_11/5/2
ATM-Path5_11/5/2

Connection Parameters

Connection Name: test

Address: Up

Customer Name: Walmart

Simulation Parameters

MT: 953i

MB: 953na

Transmit Traffic Description: VBR-high

Receive Traffic Description: VBR-high

Use the same Traffic Description for both Transmit and Receive

Simulation Parameters

MT: 953s

MB: 953n

Transmit Traffic Description: VBR-high

Receive Traffic Description: VBR-high

Use the same Traffic Description for both Transmit and Receive

953a 953b 953c 953d 953e 953f 953g 953h 953i 953j 953k 953l 953m 953n 953o 953p 953q 953r 953s 953t 953u 953v 953w 953x

Fig. 5x

956

New Traffic Descriptor

Name:

QoS Class: ▼

Type: ▼

Fig. 5Y

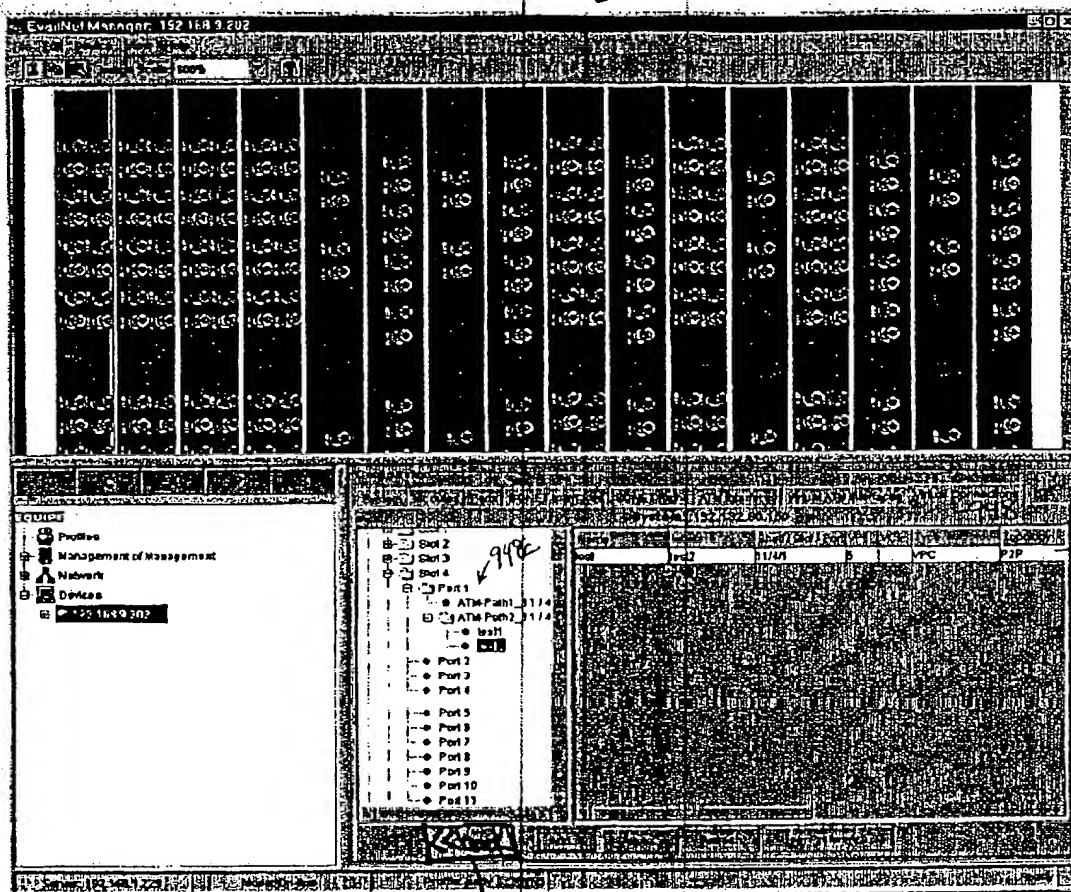


Fig. 57

895

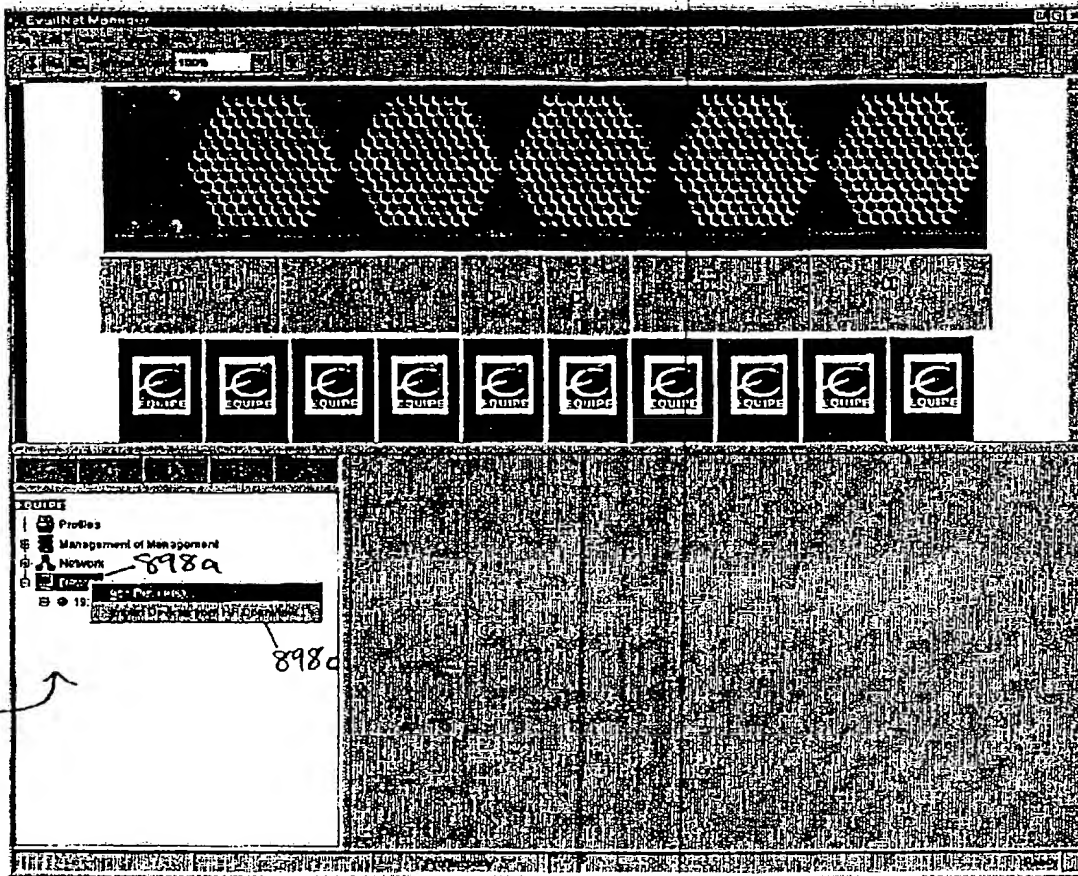


Fig. 6a

Fig. 6b

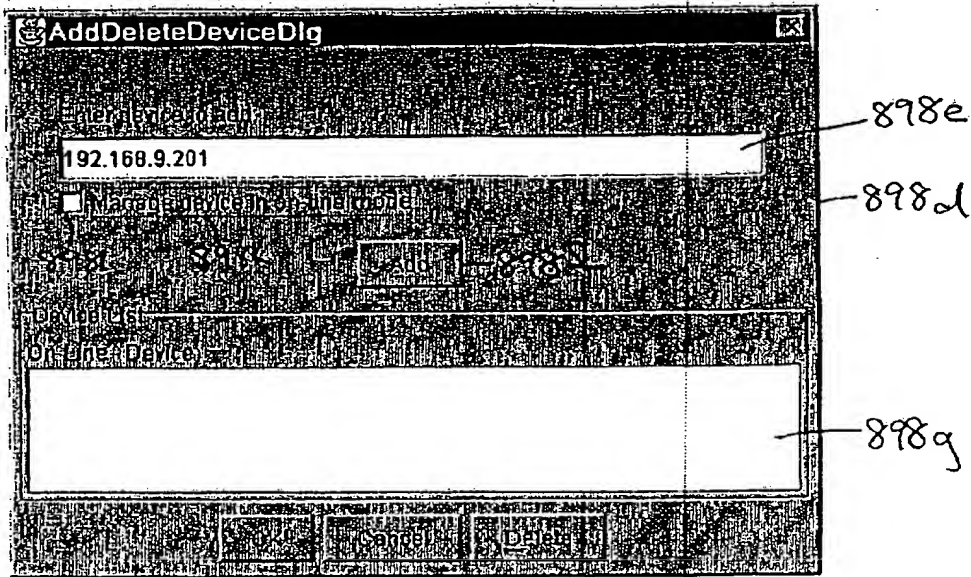
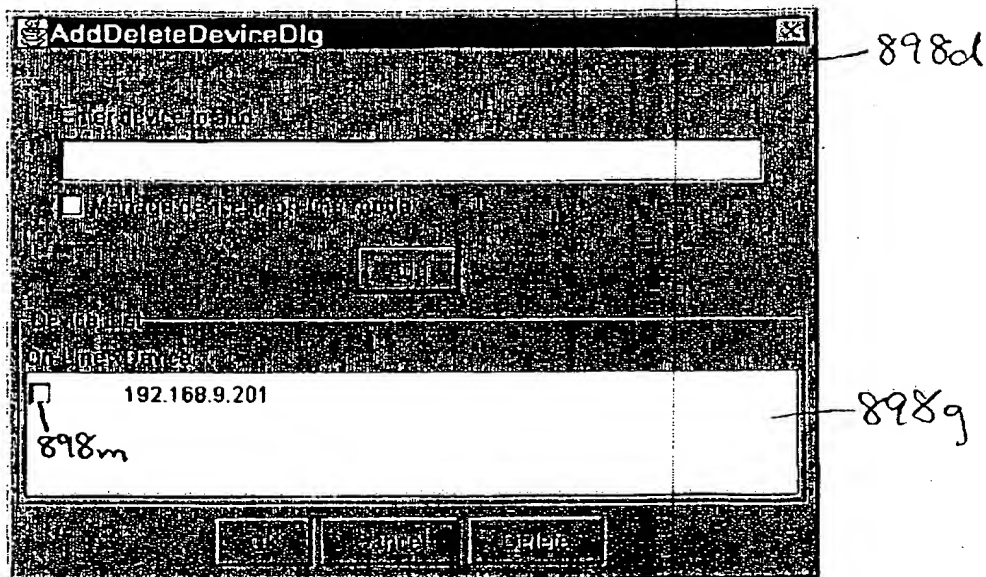


Fig. 6c



895

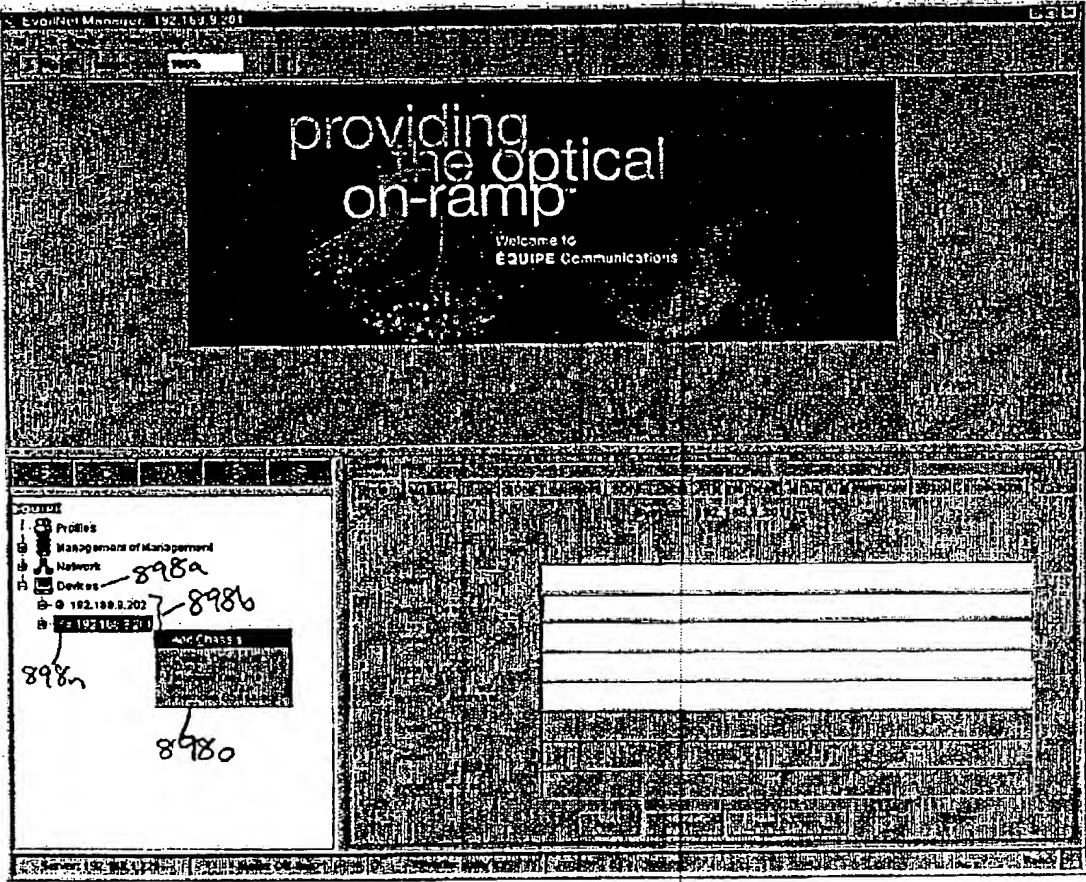


Fig. 6d

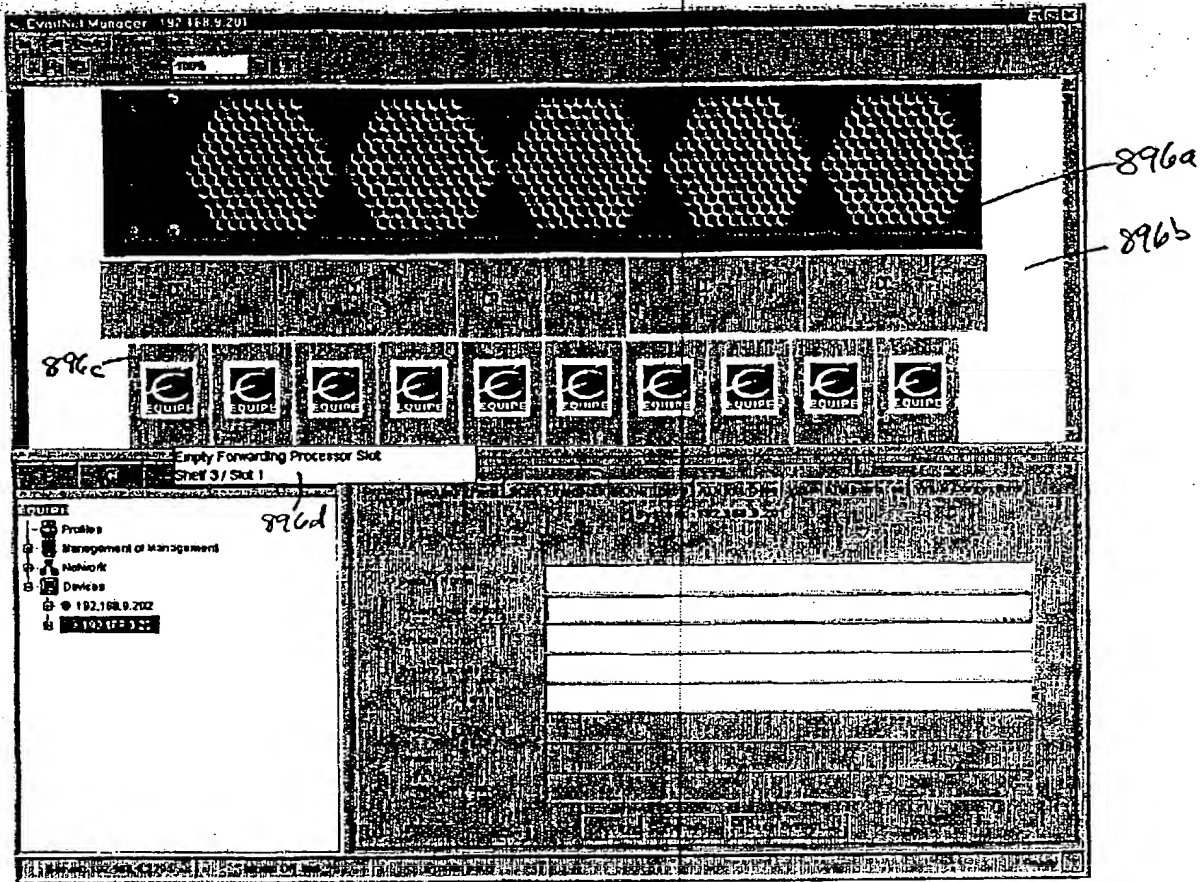


Fig. 6e

895

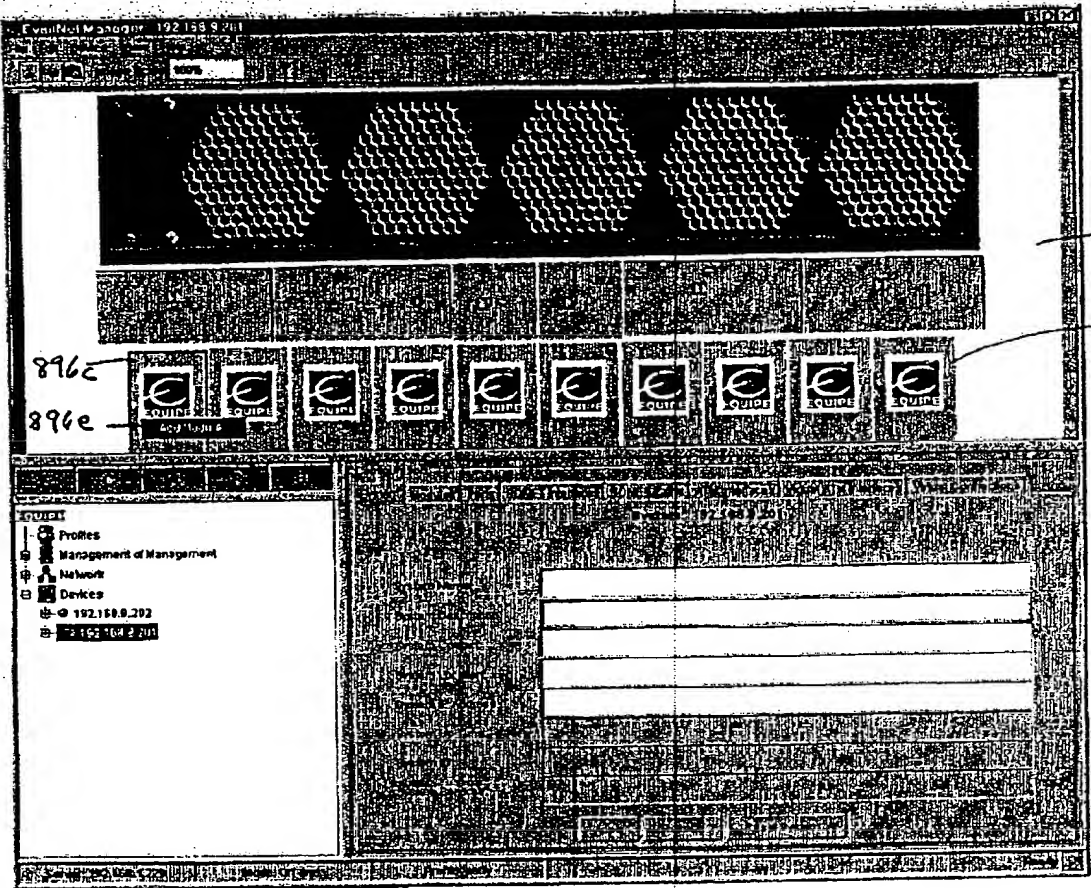


Fig. 6f

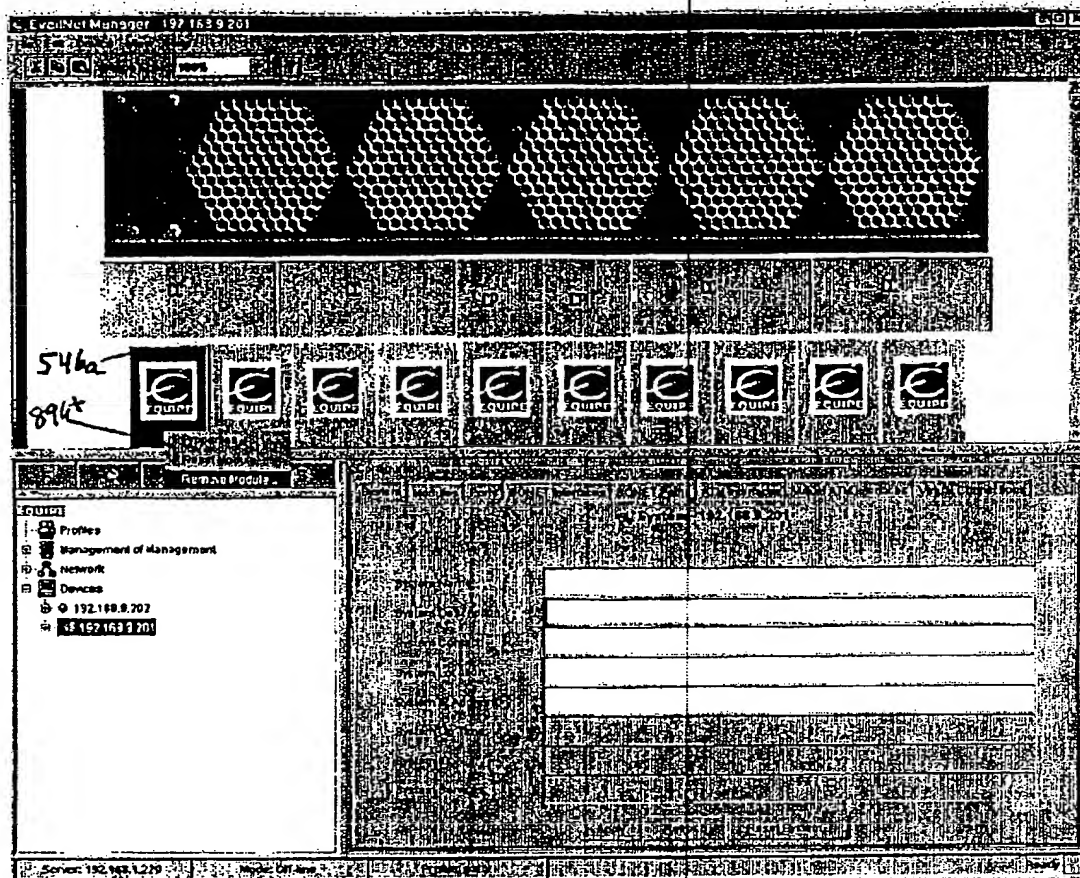


Fig. 69

895

896

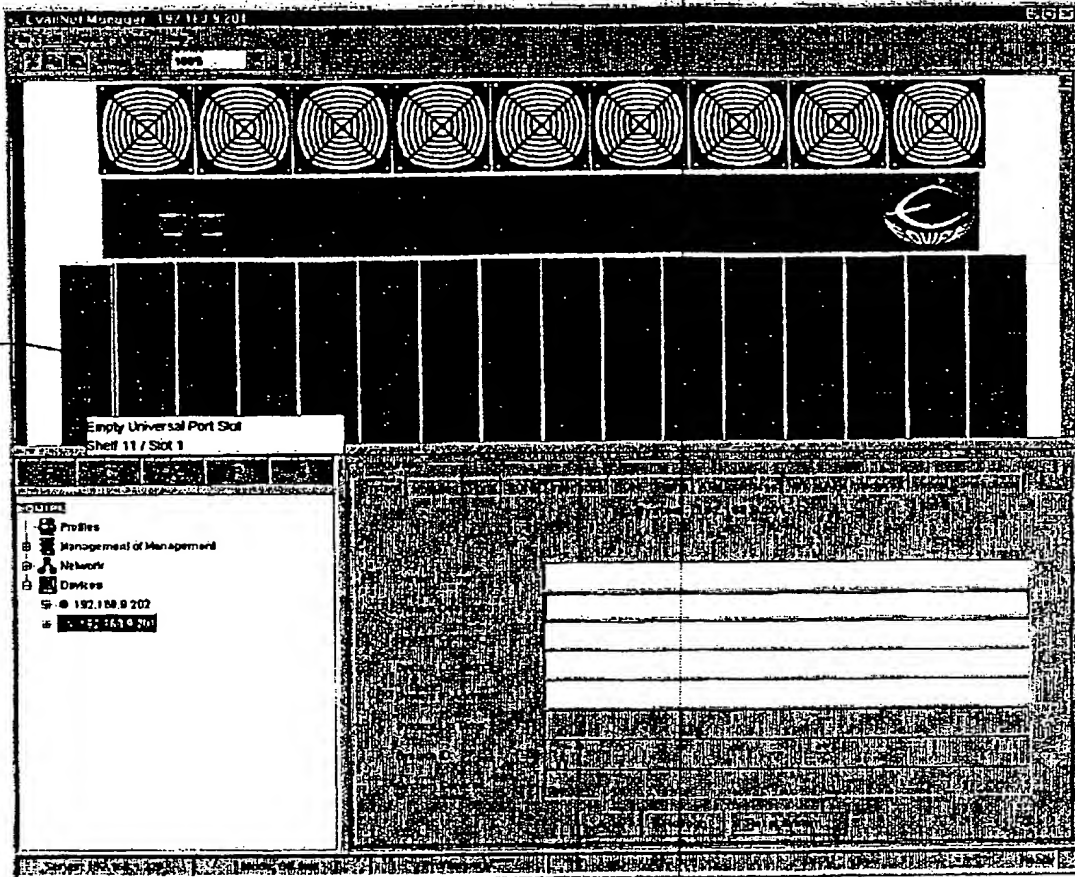


Fig.6h

895

896f

896g

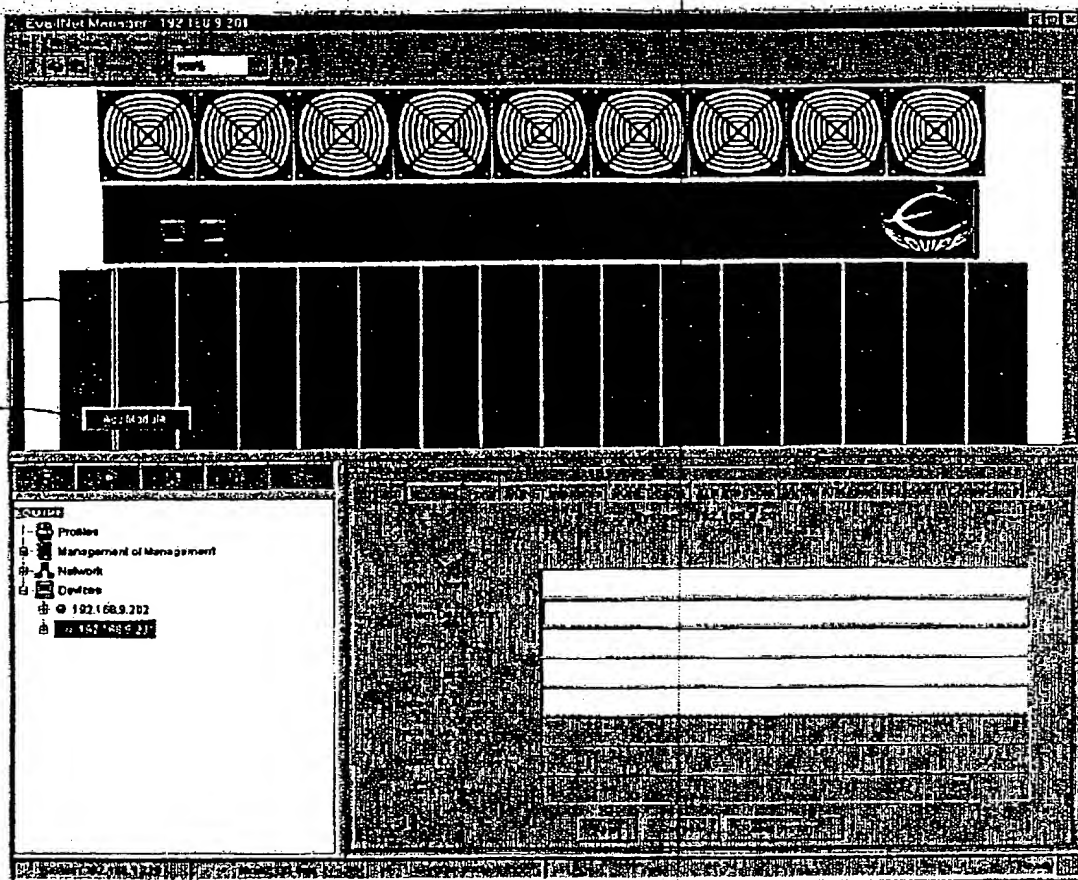


Fig. 6i

Fig. 6j

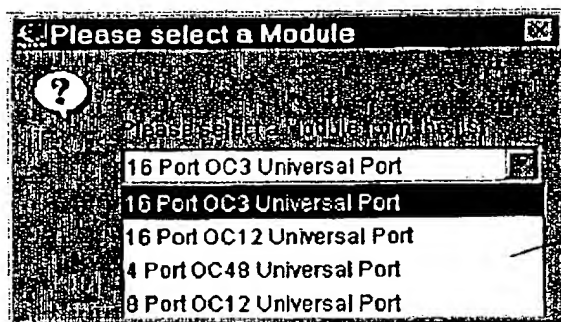
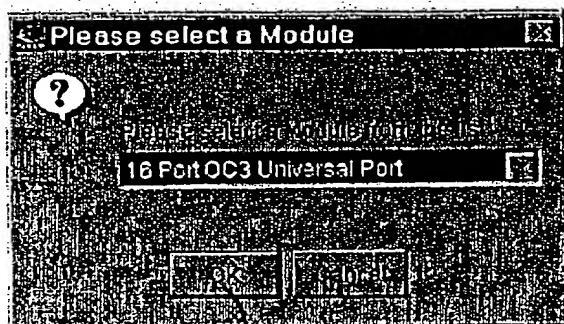


Fig. 6K

895

556i

556h

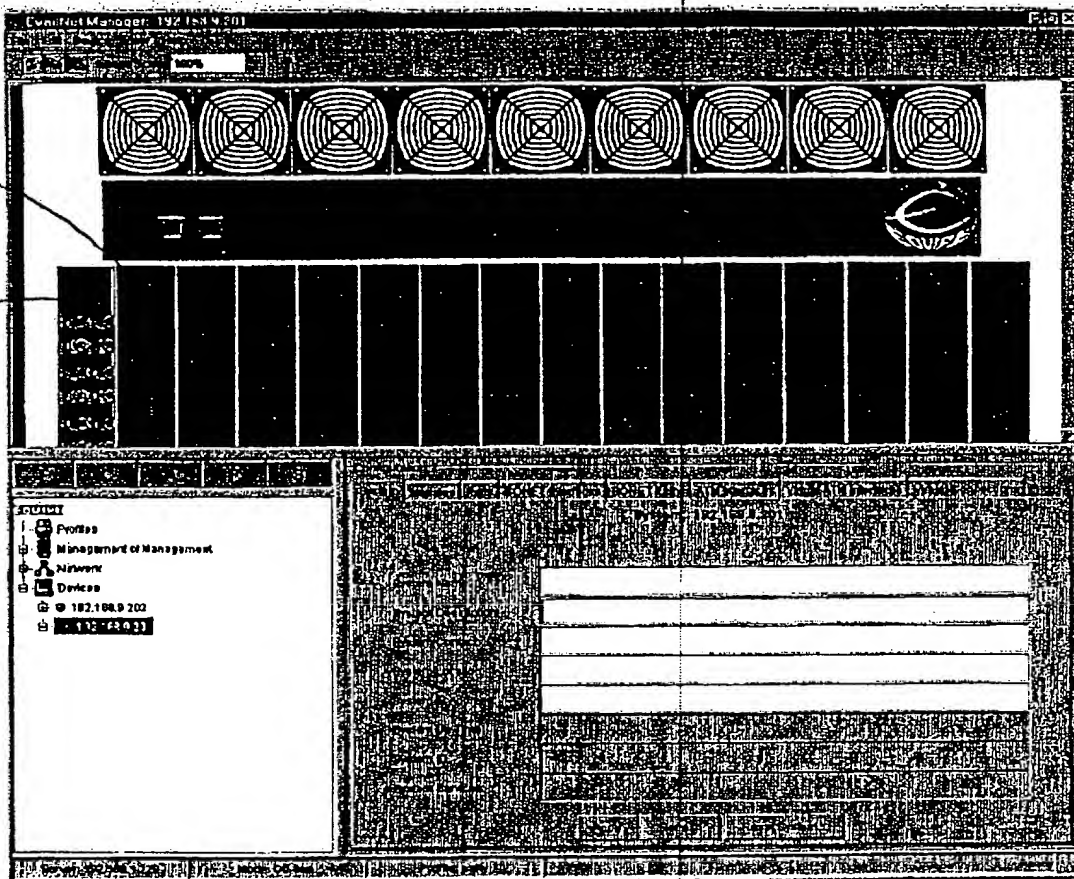


Fig. 61

895

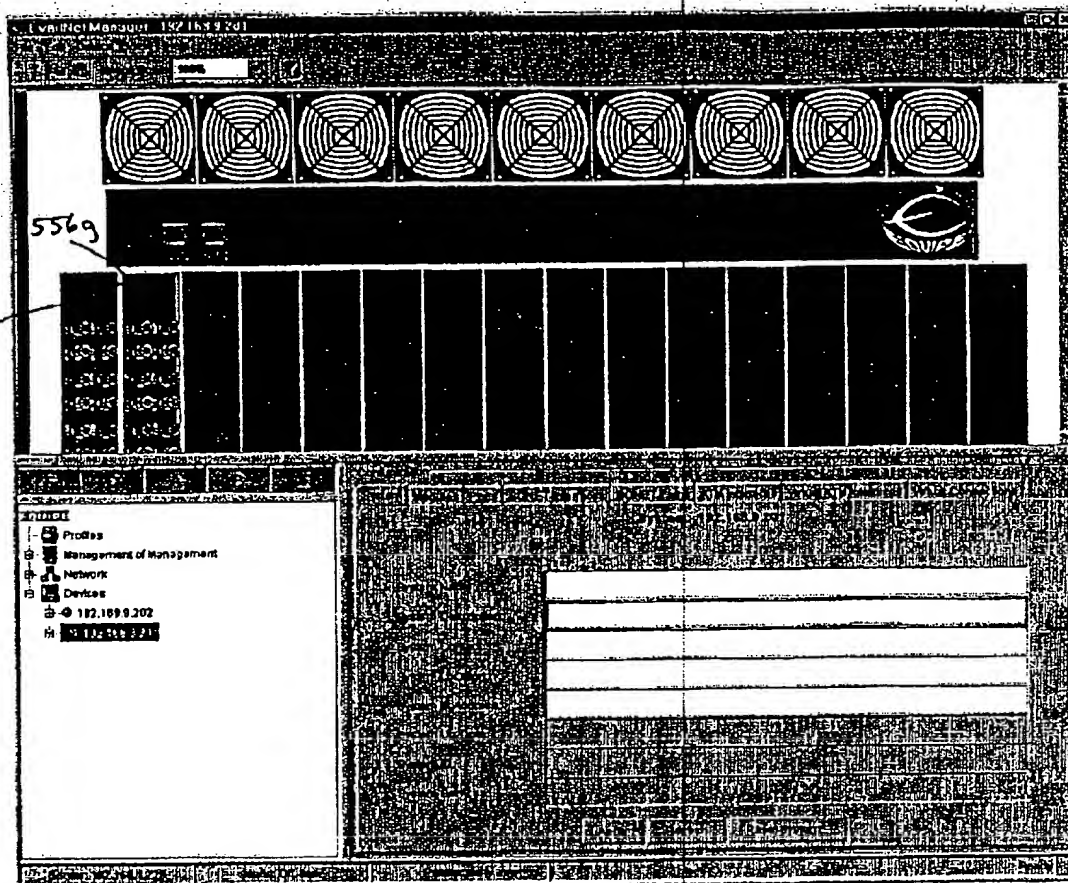


Fig. 6m

895

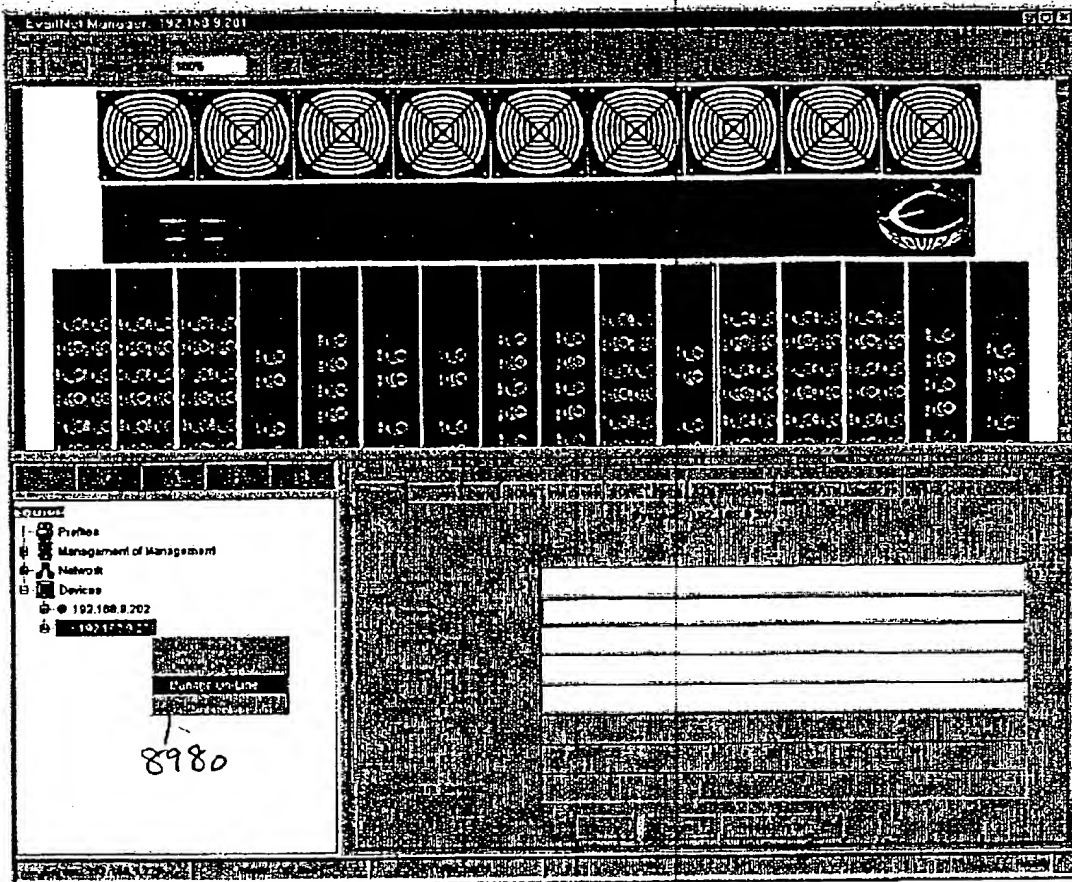


Fig. 6n

895

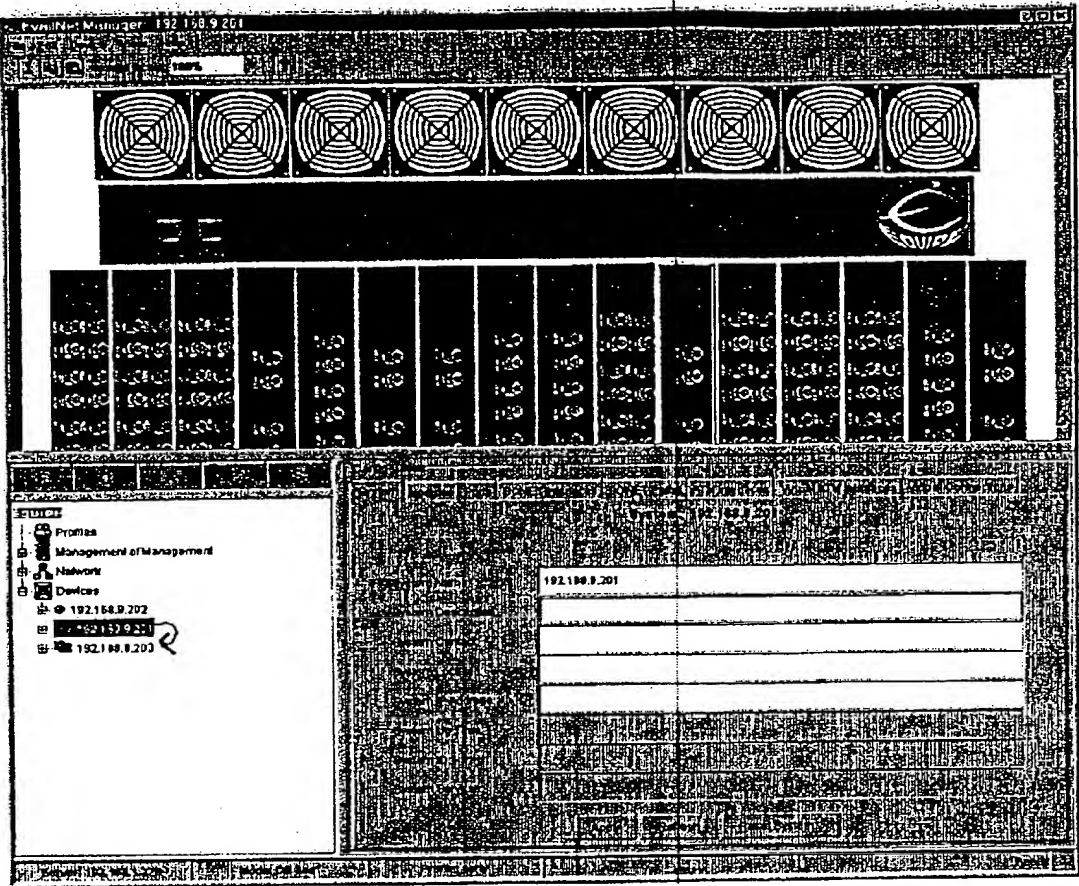


Fig.60

895

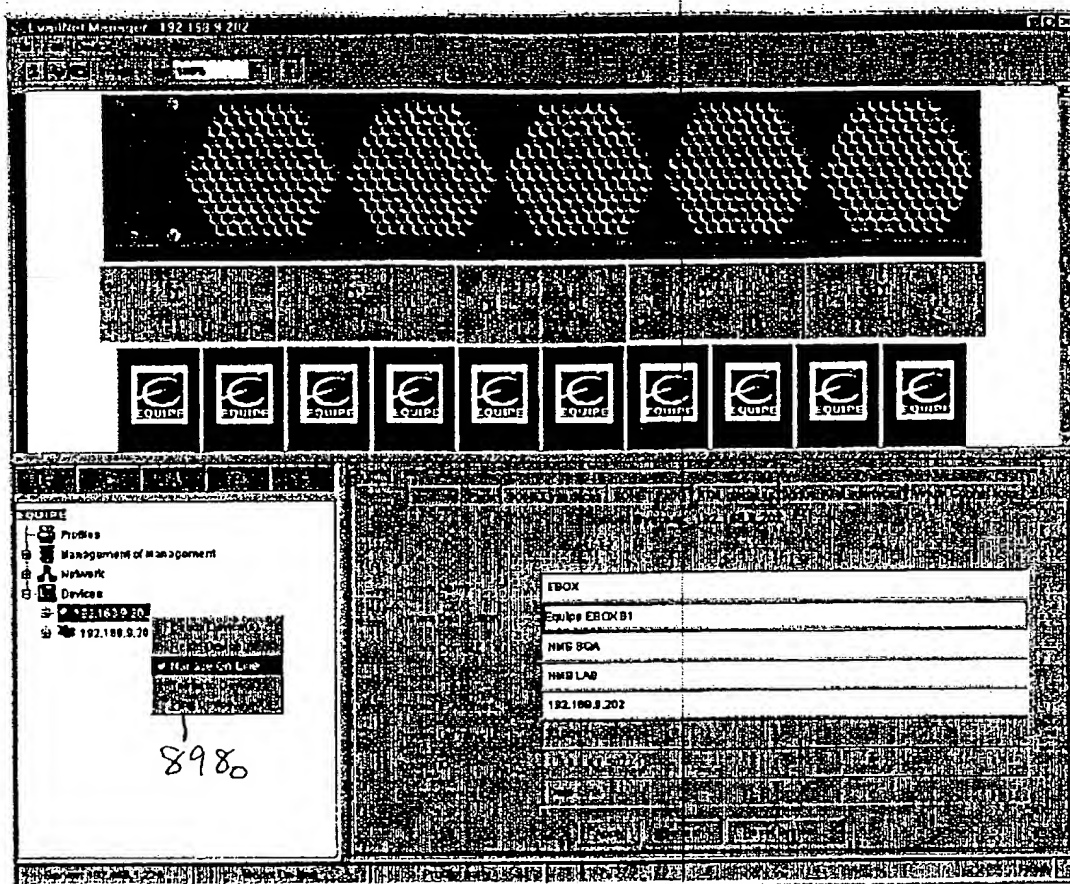


Fig. 6p

895

896

899a
899b
899c
899d
899e

902

898

897

Fig. 7a

Fig. 7b

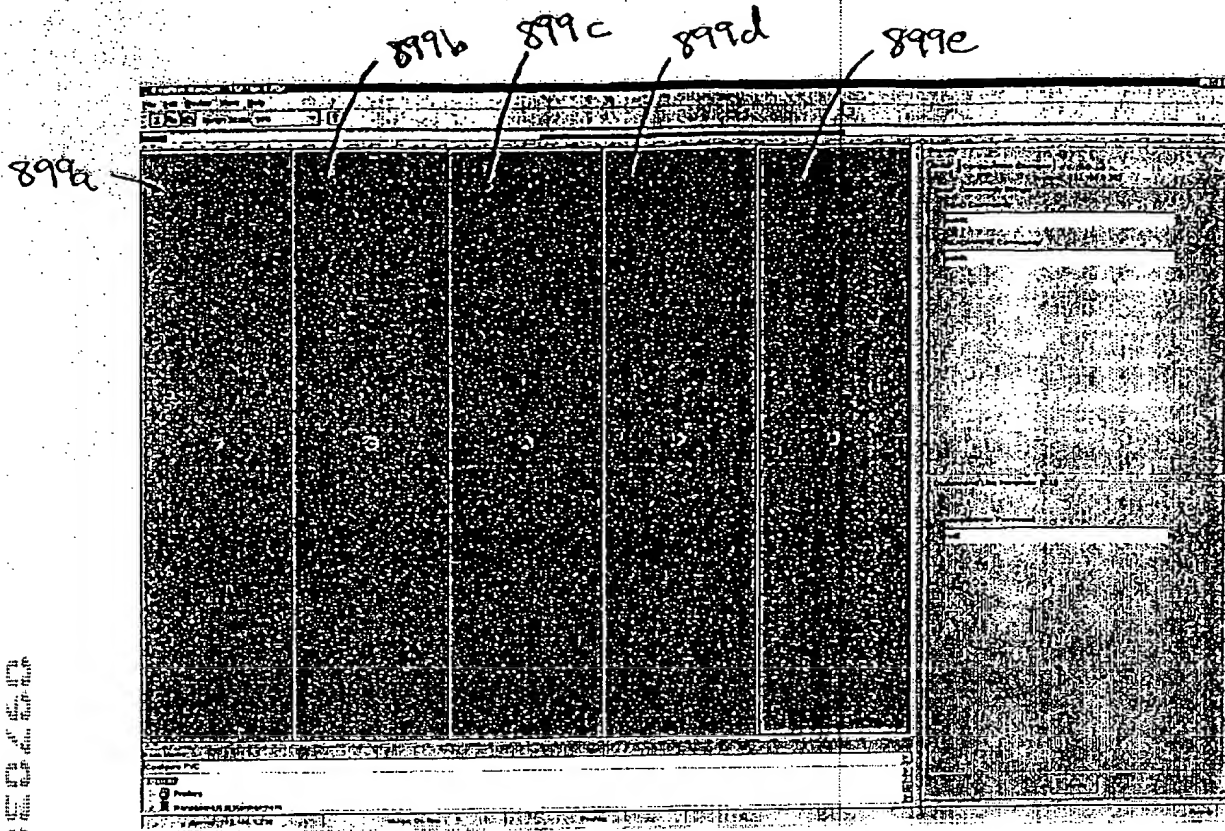
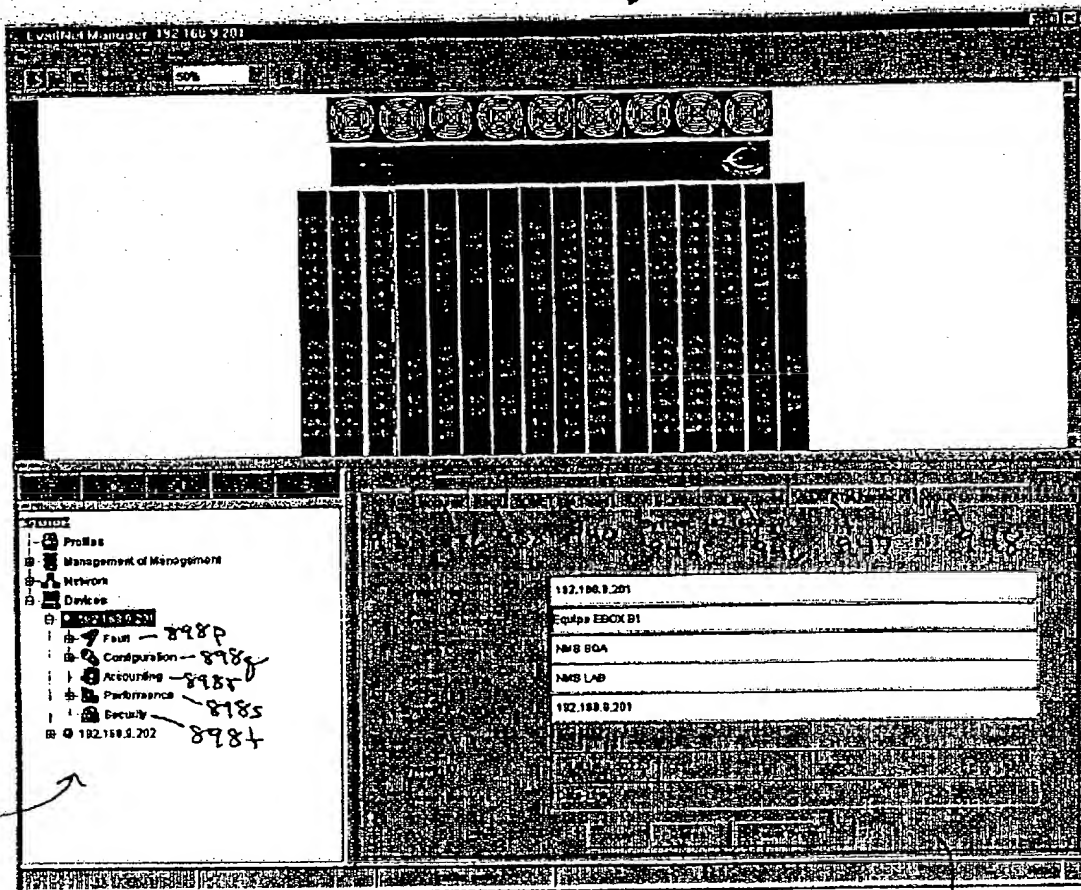


Fig. 7c

895



897

Fig. 7d

895

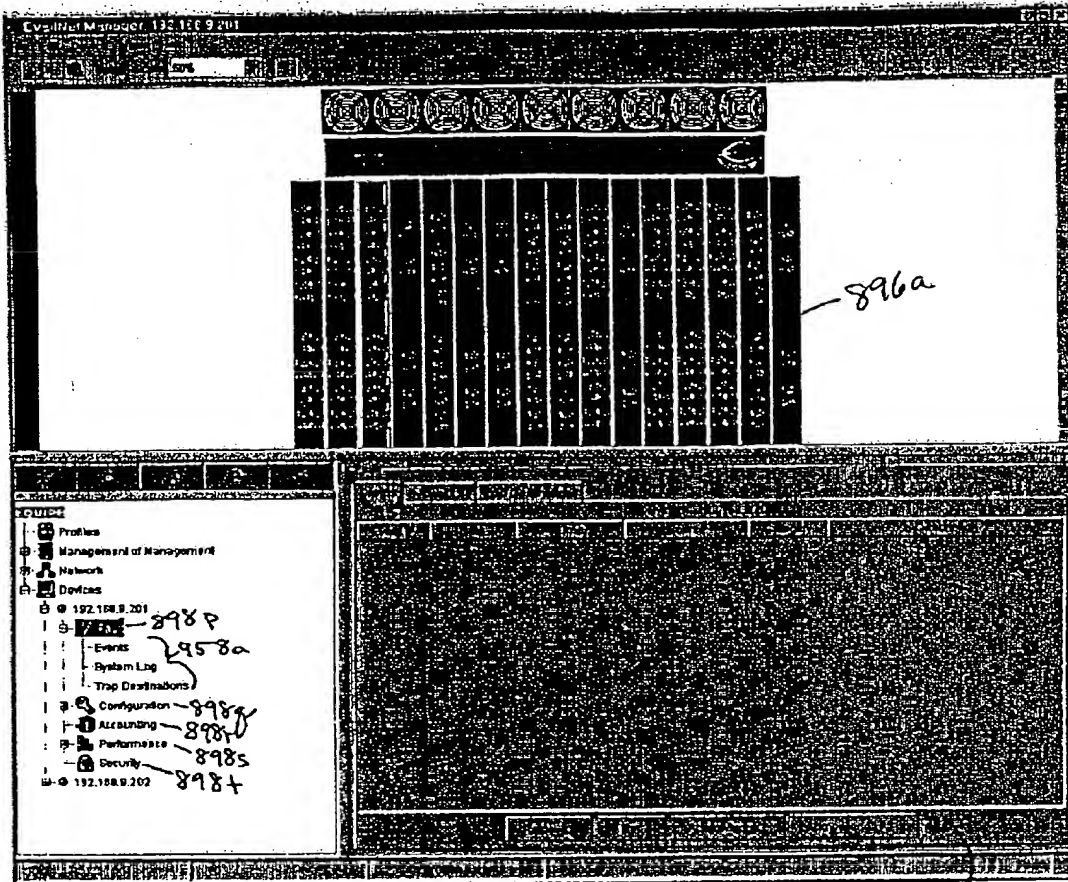


Fig. 7e

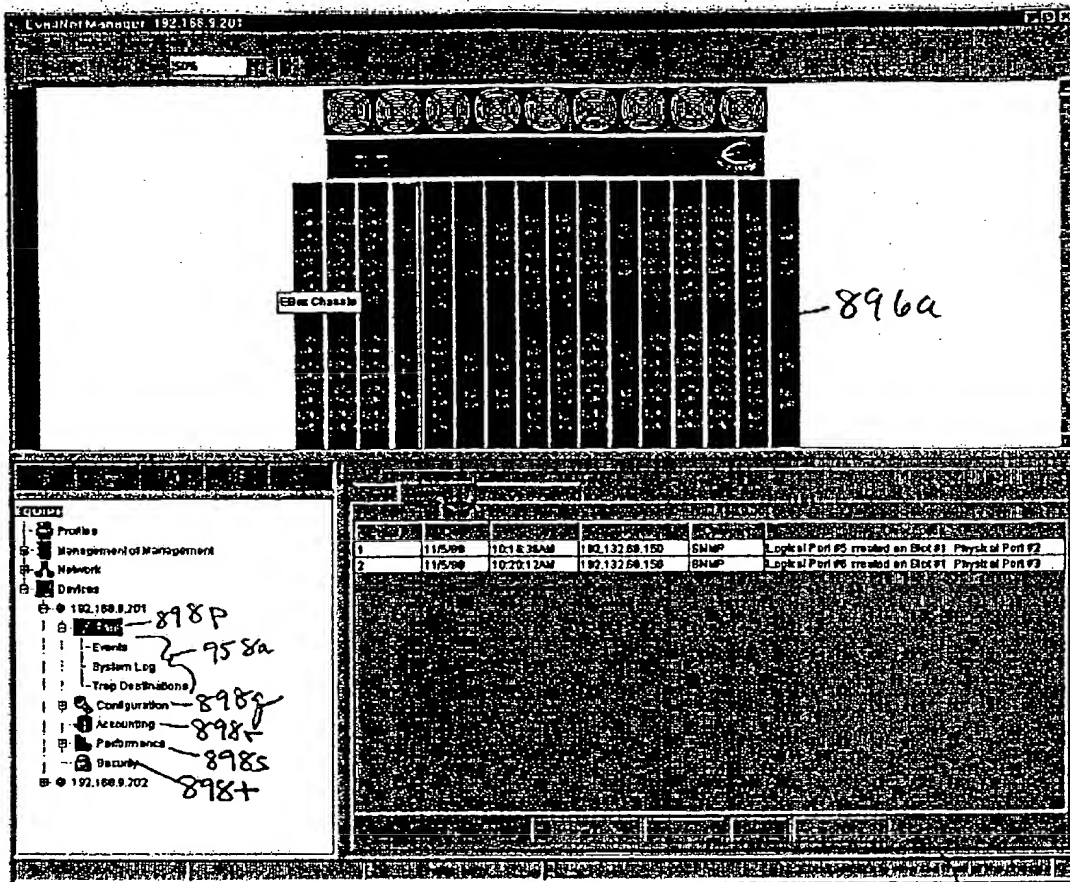


Fig. 74

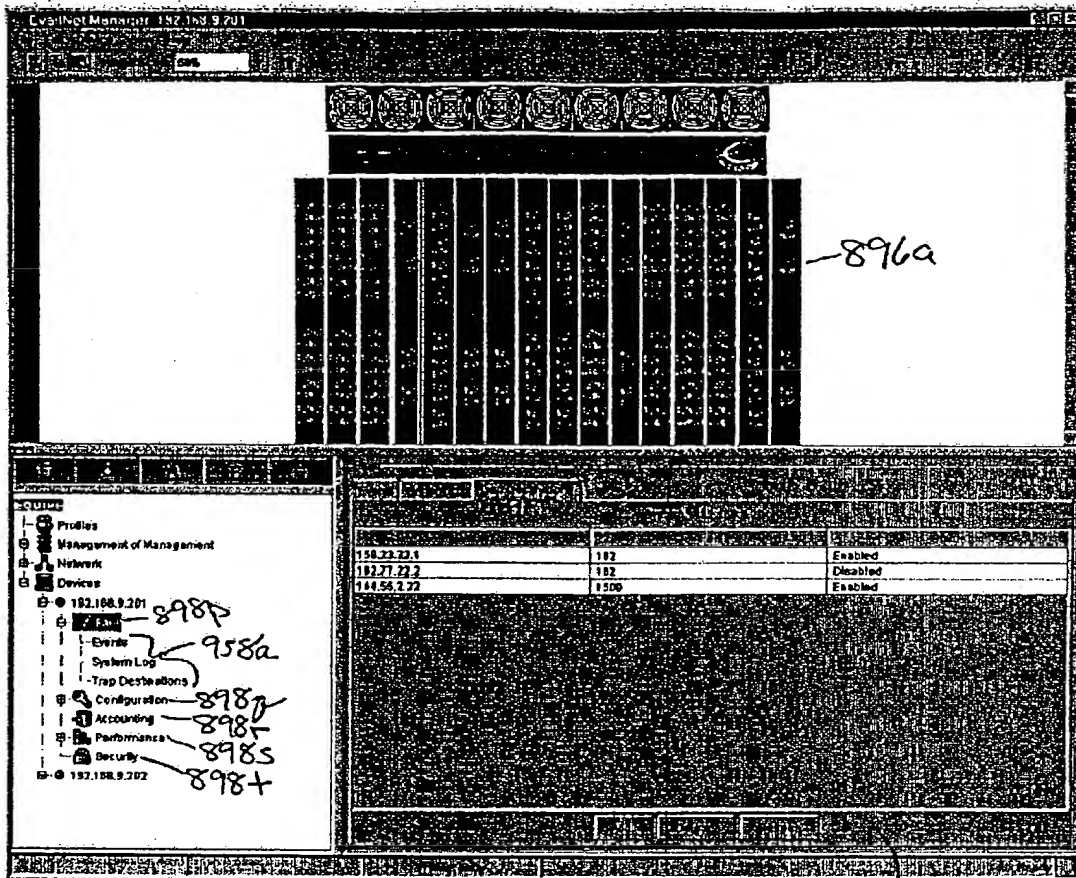
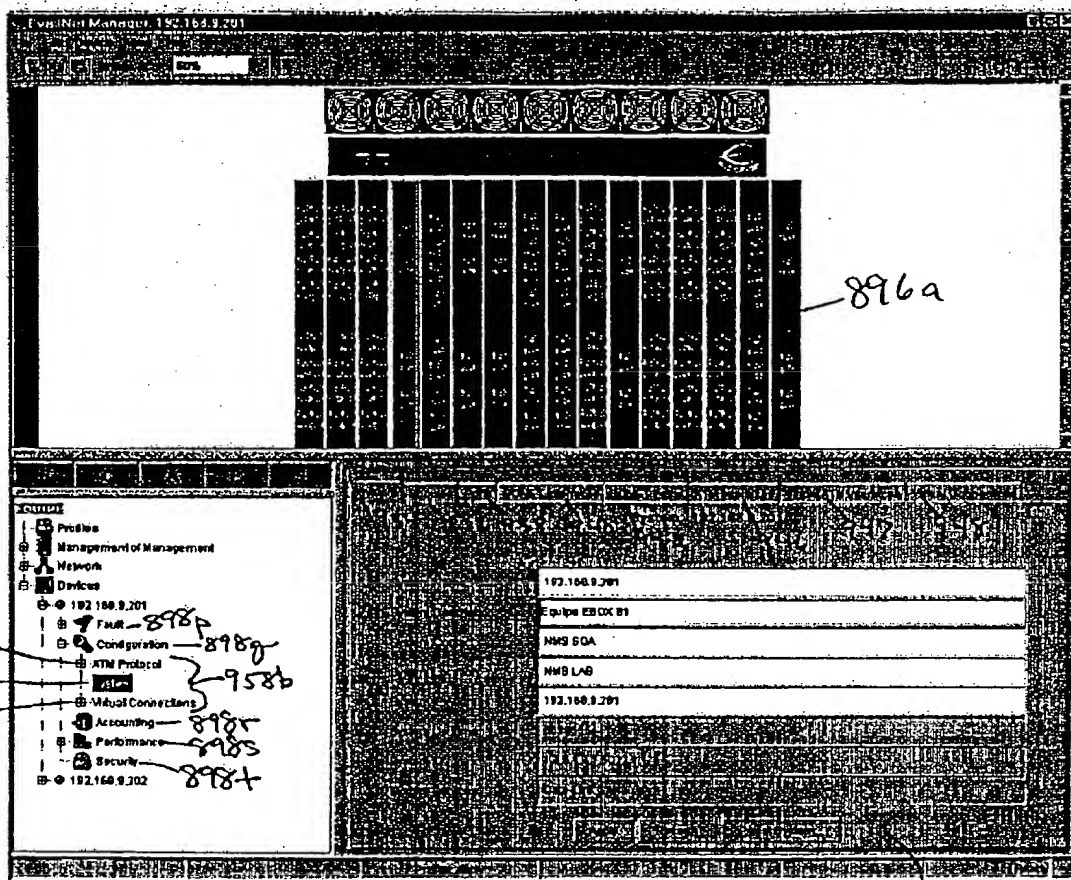


Fig. 7g

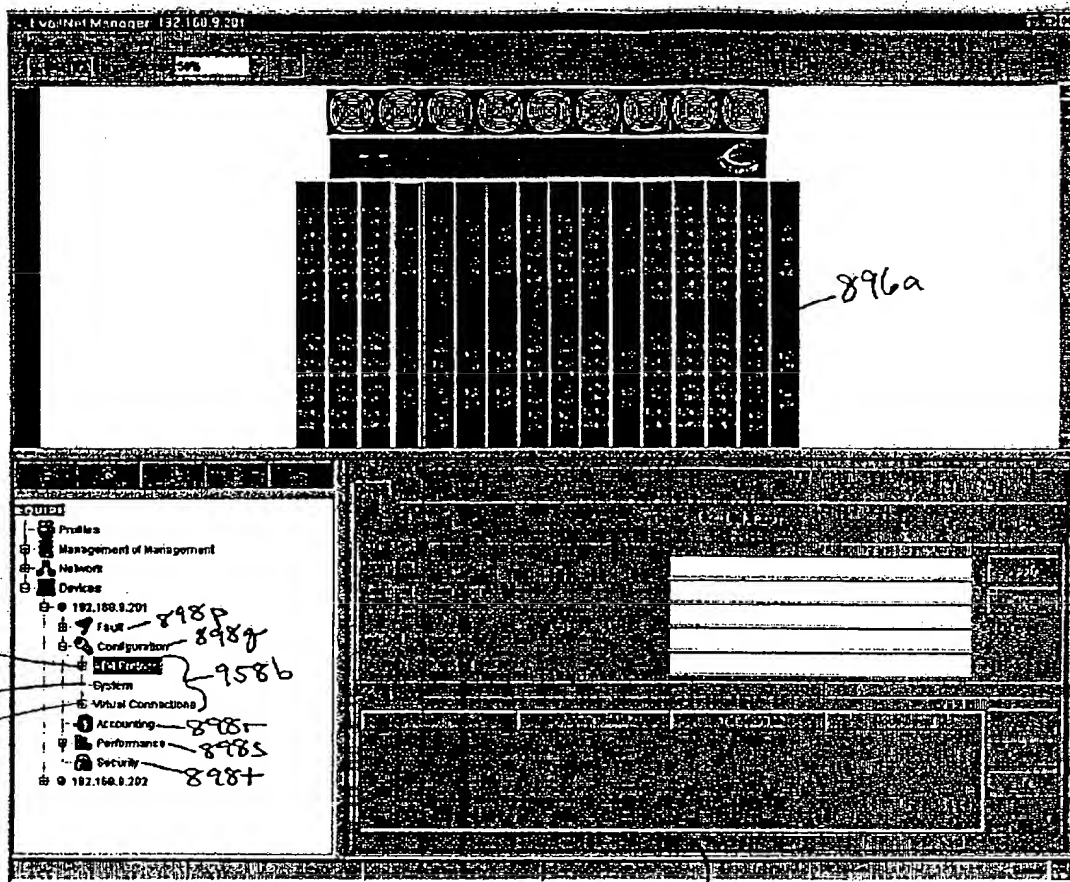
895



897

Fig. 7h

895



877

Fig. 7i

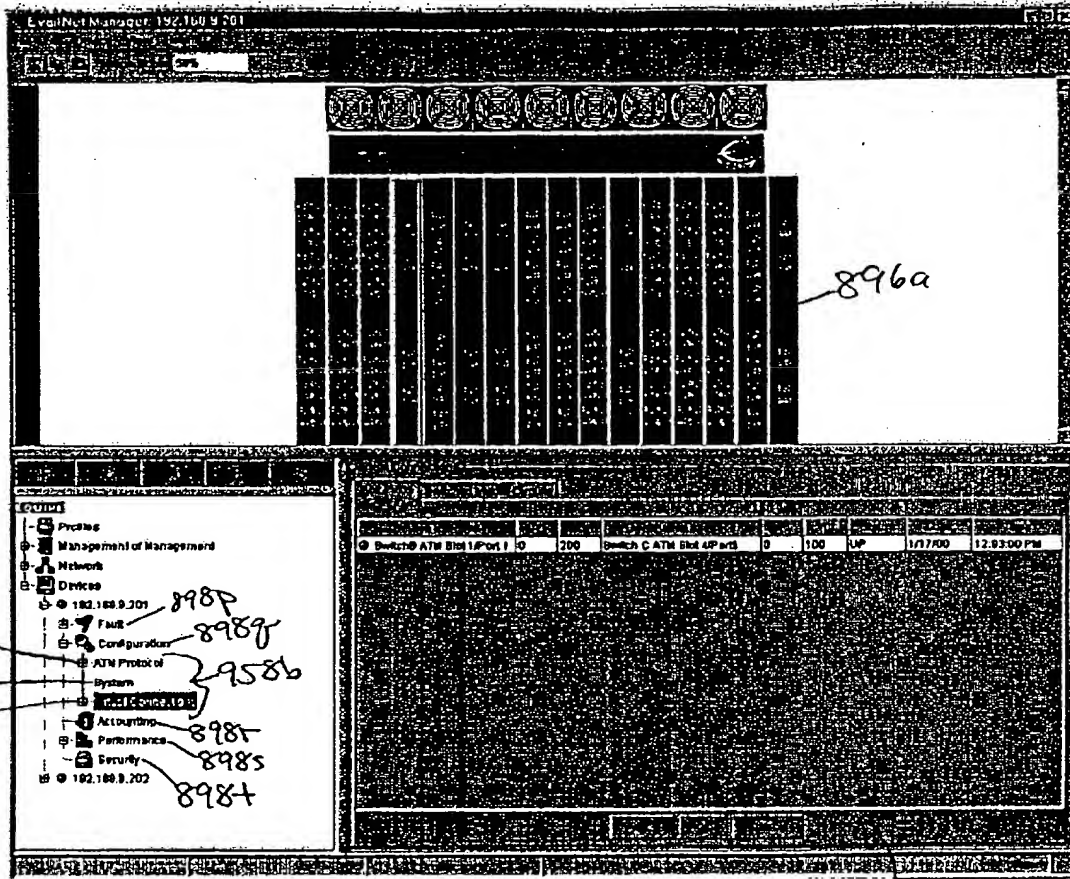


Fig. 7j

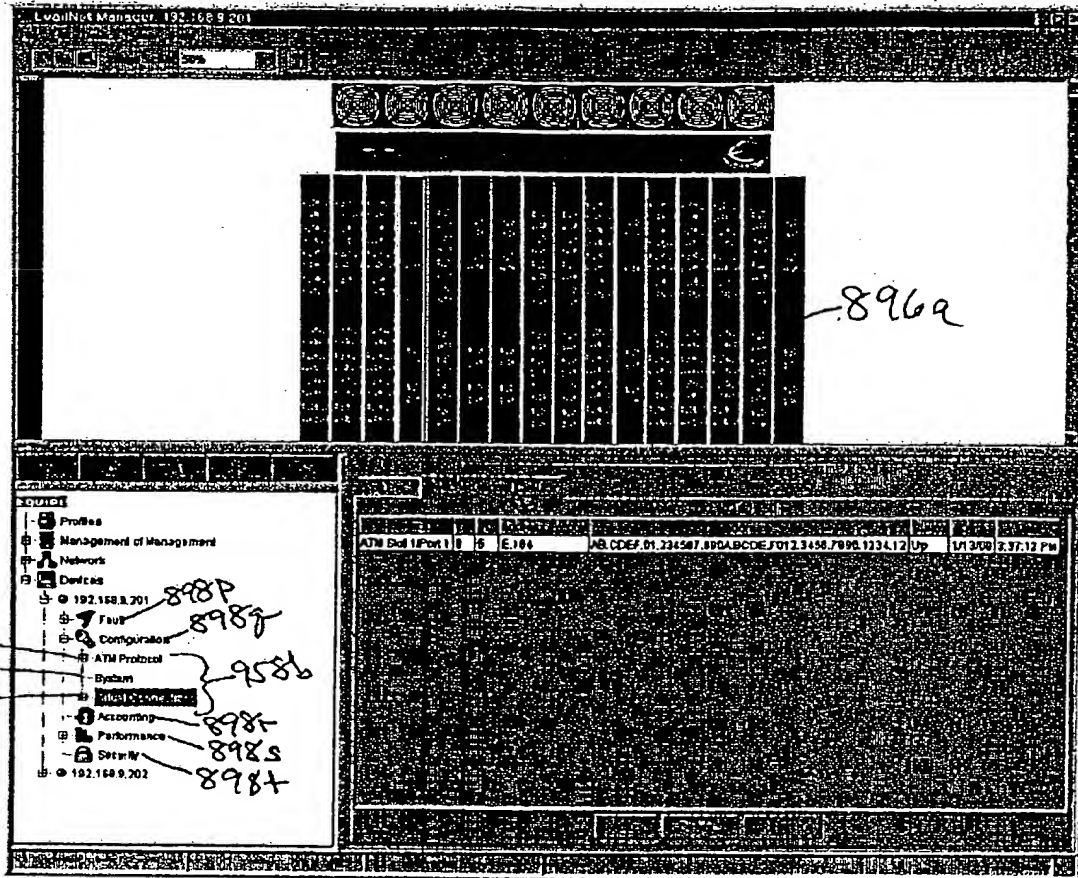


Fig. 7K

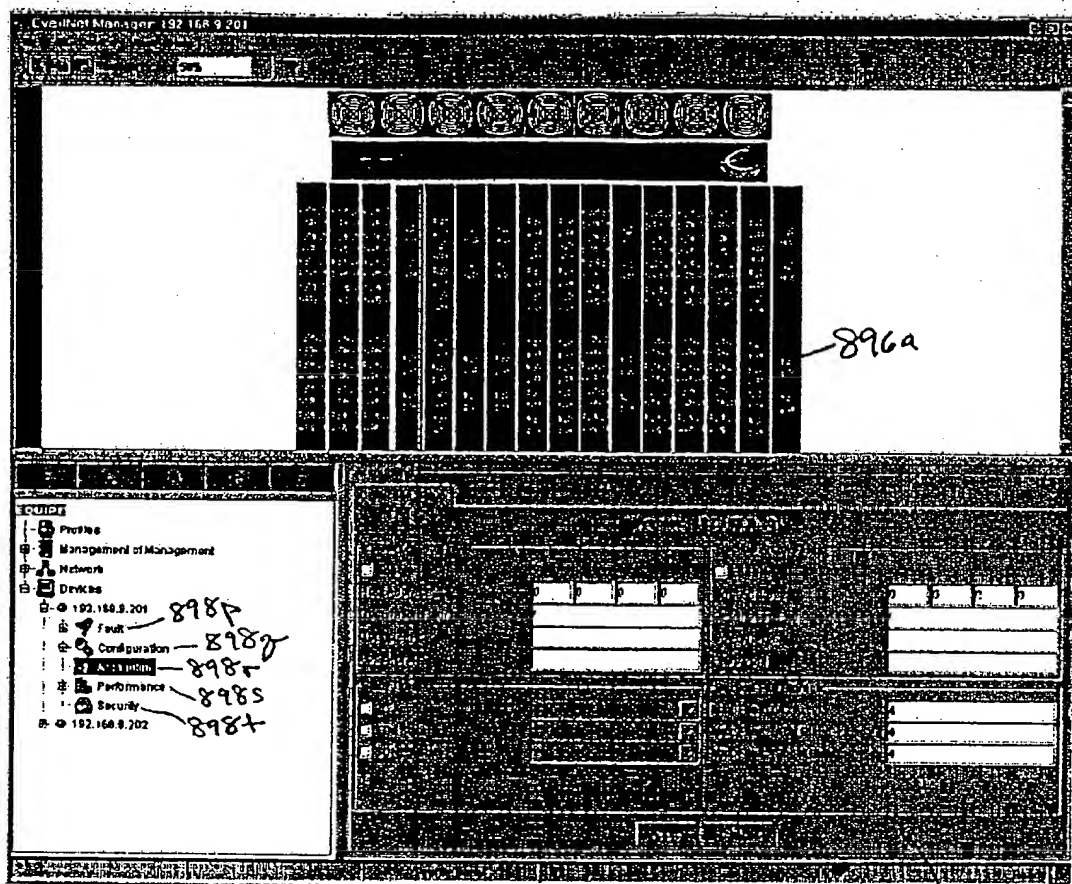


Fig. 7L

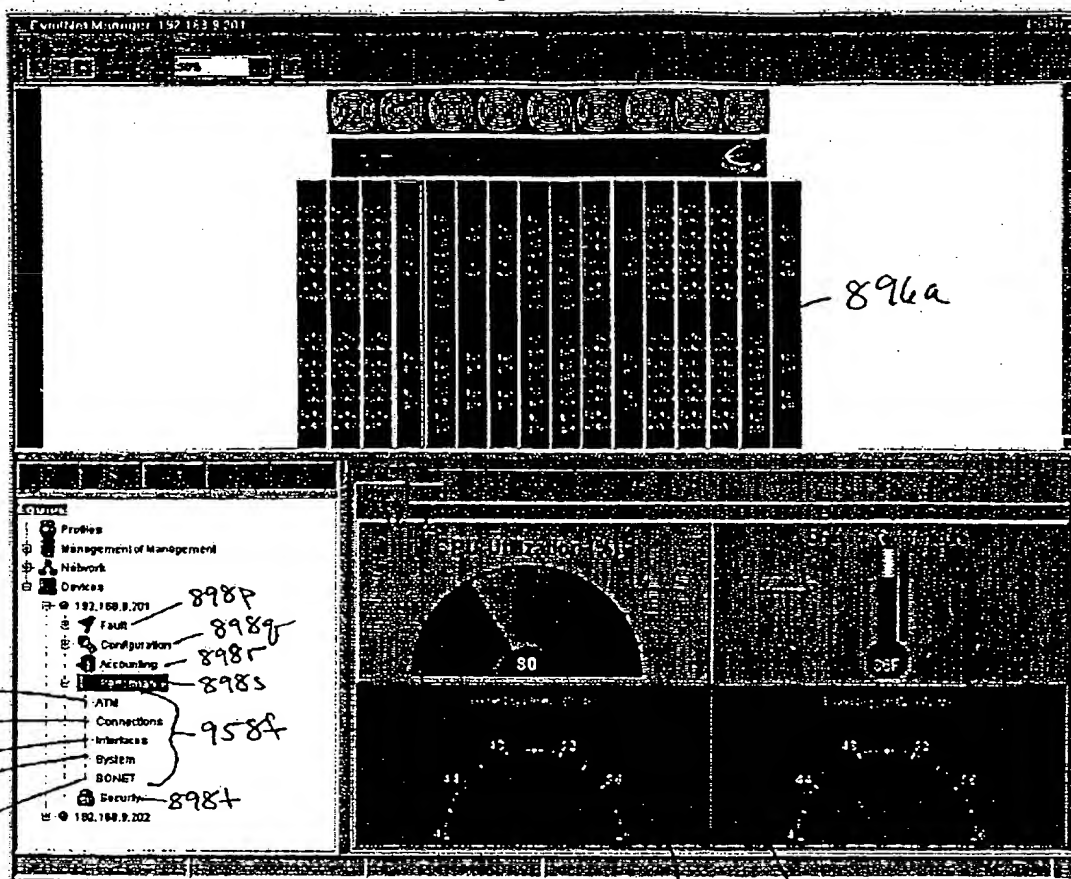


Fig. 7m

895

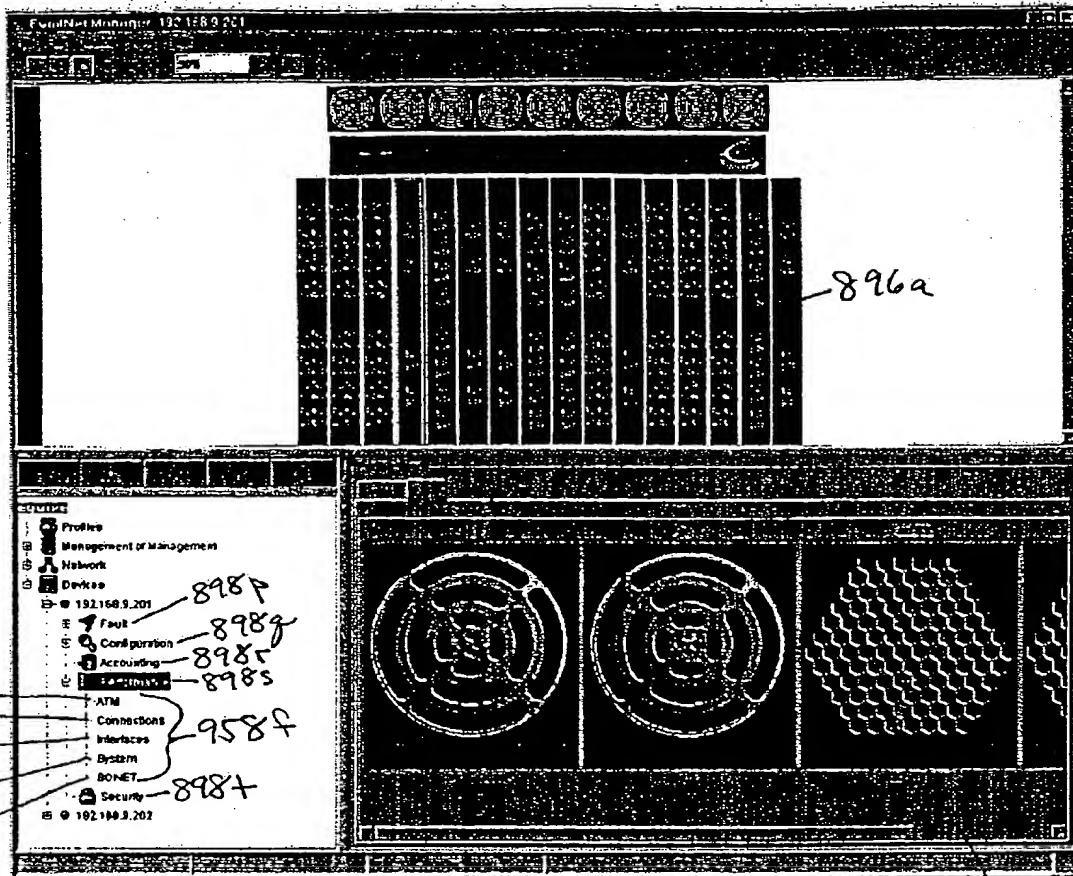
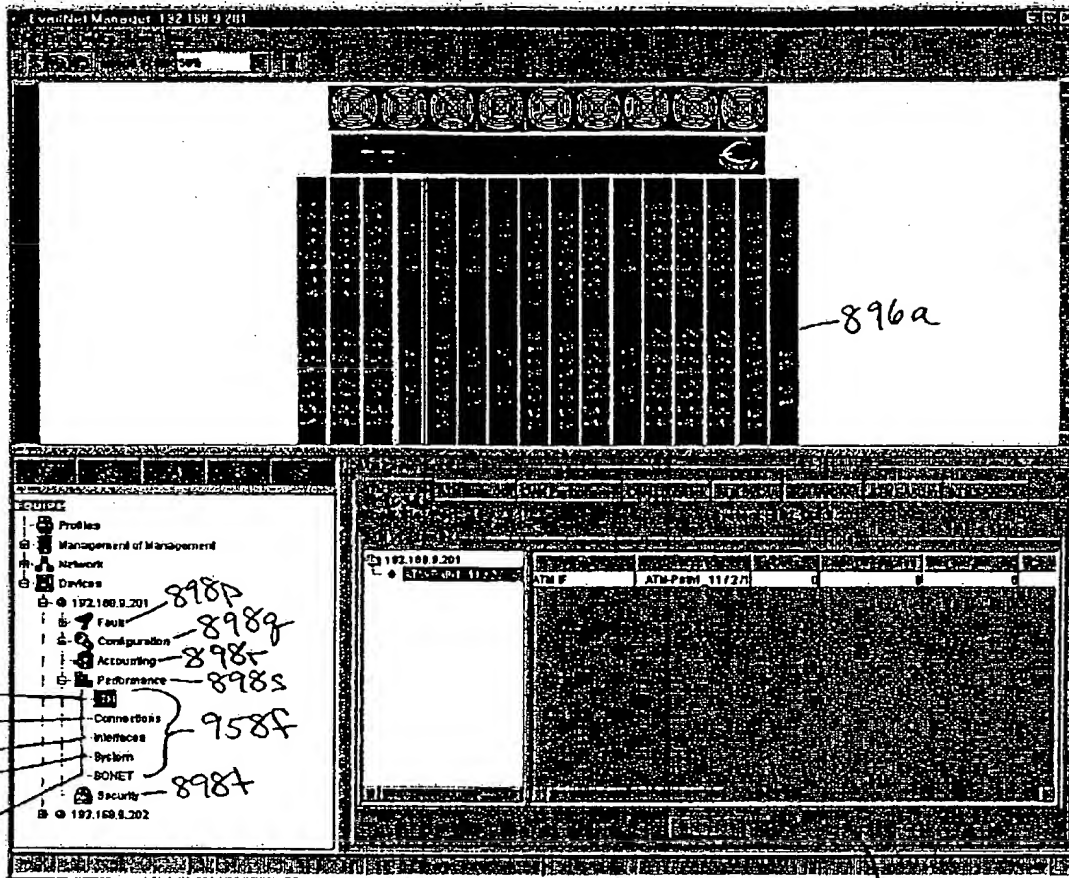


Fig. 7n



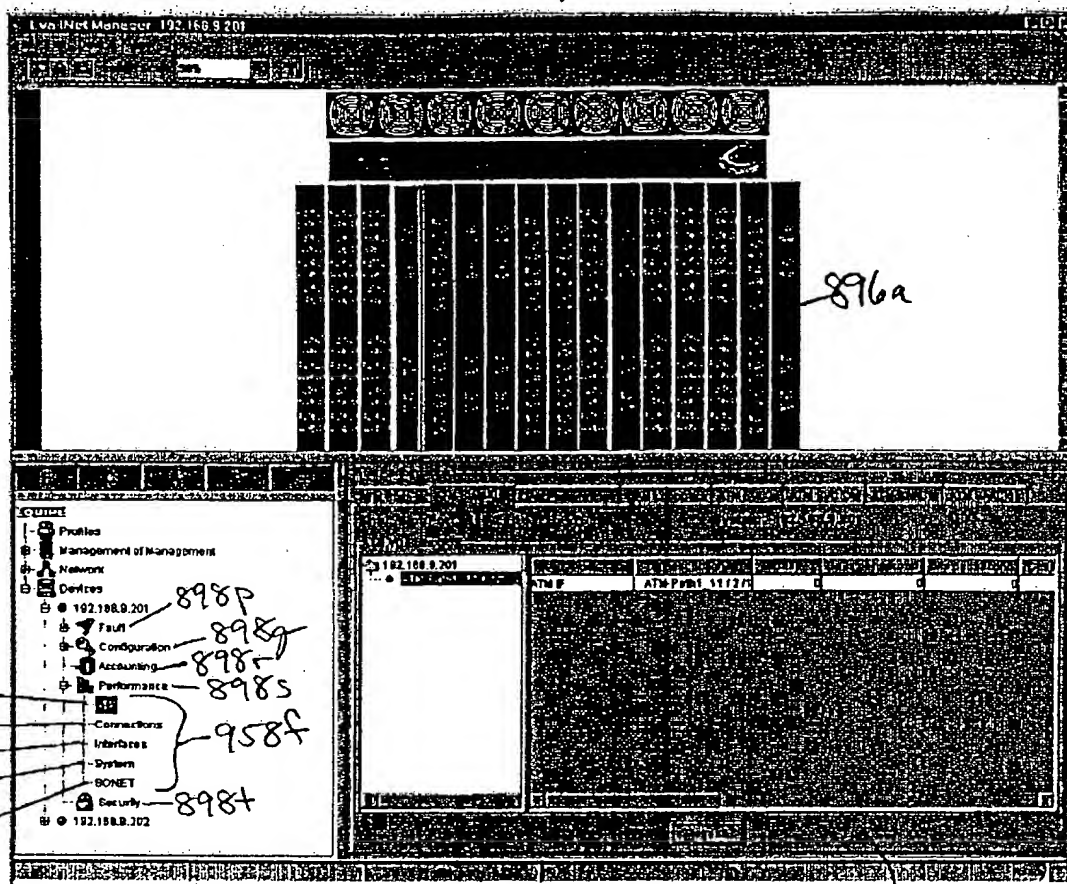


Fig. 7p

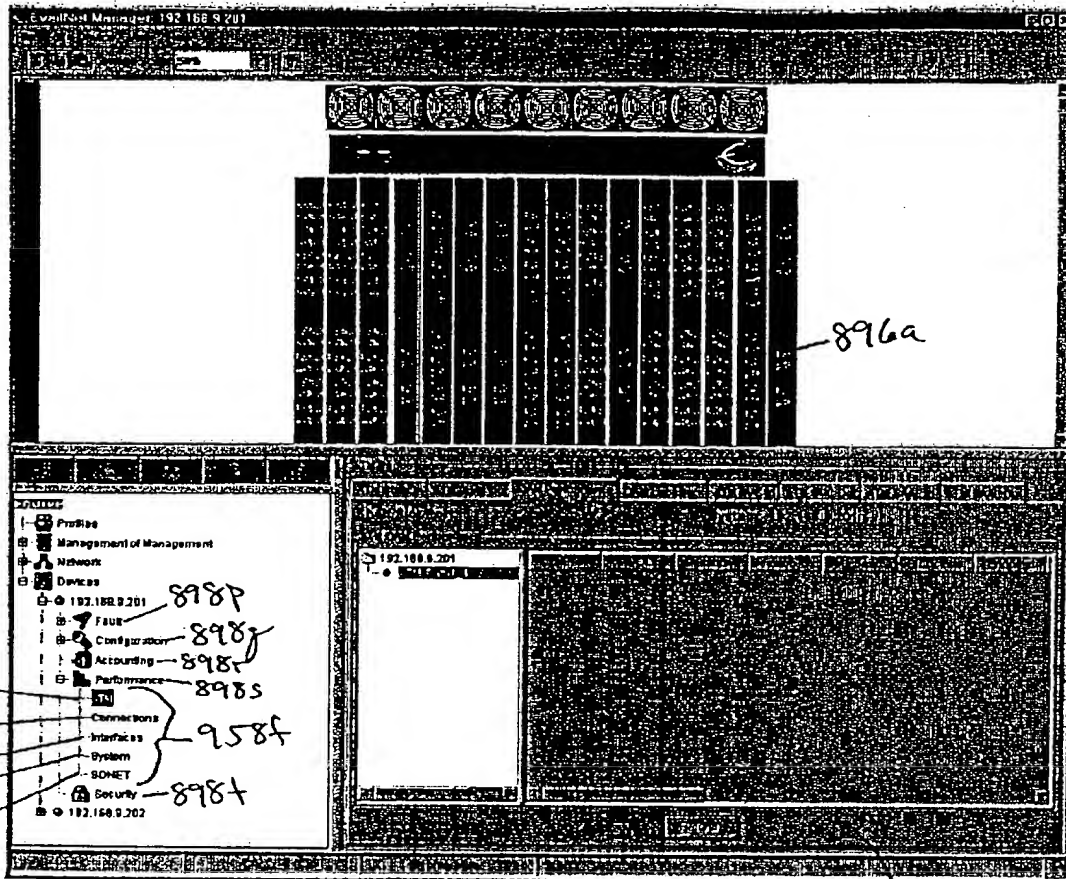


Fig. 7g

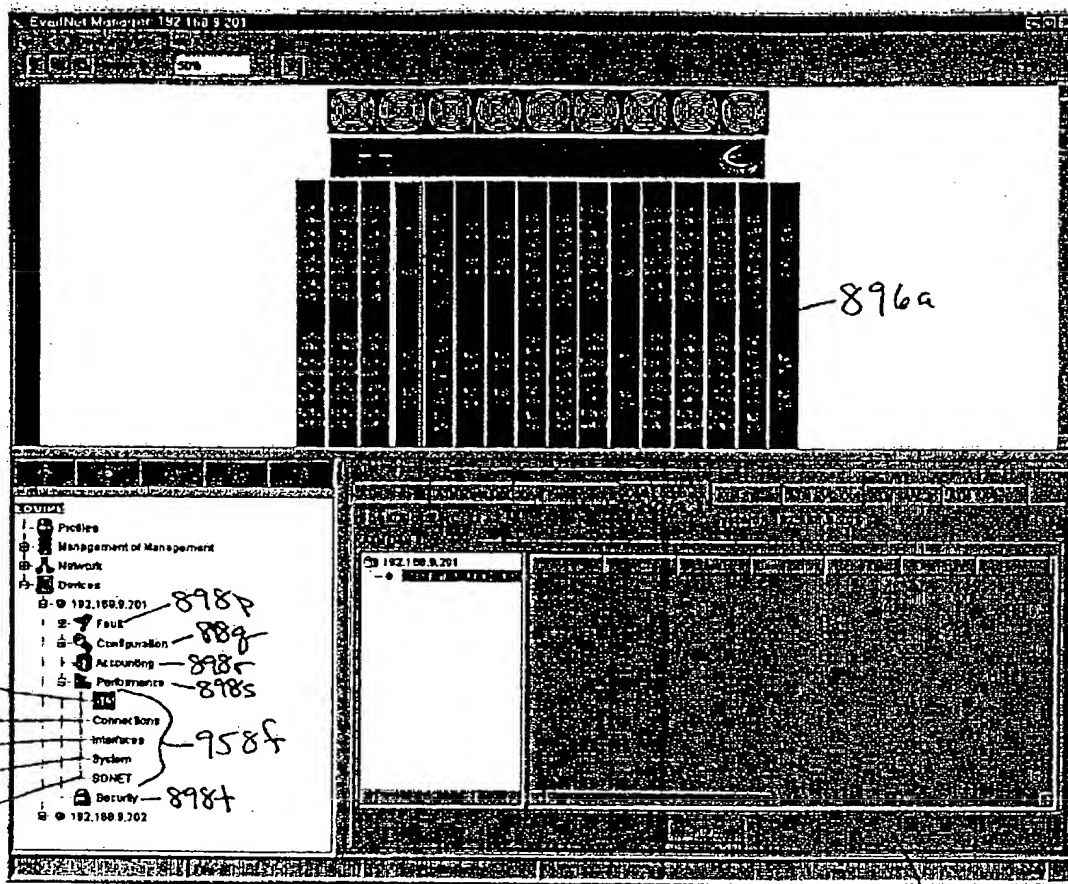
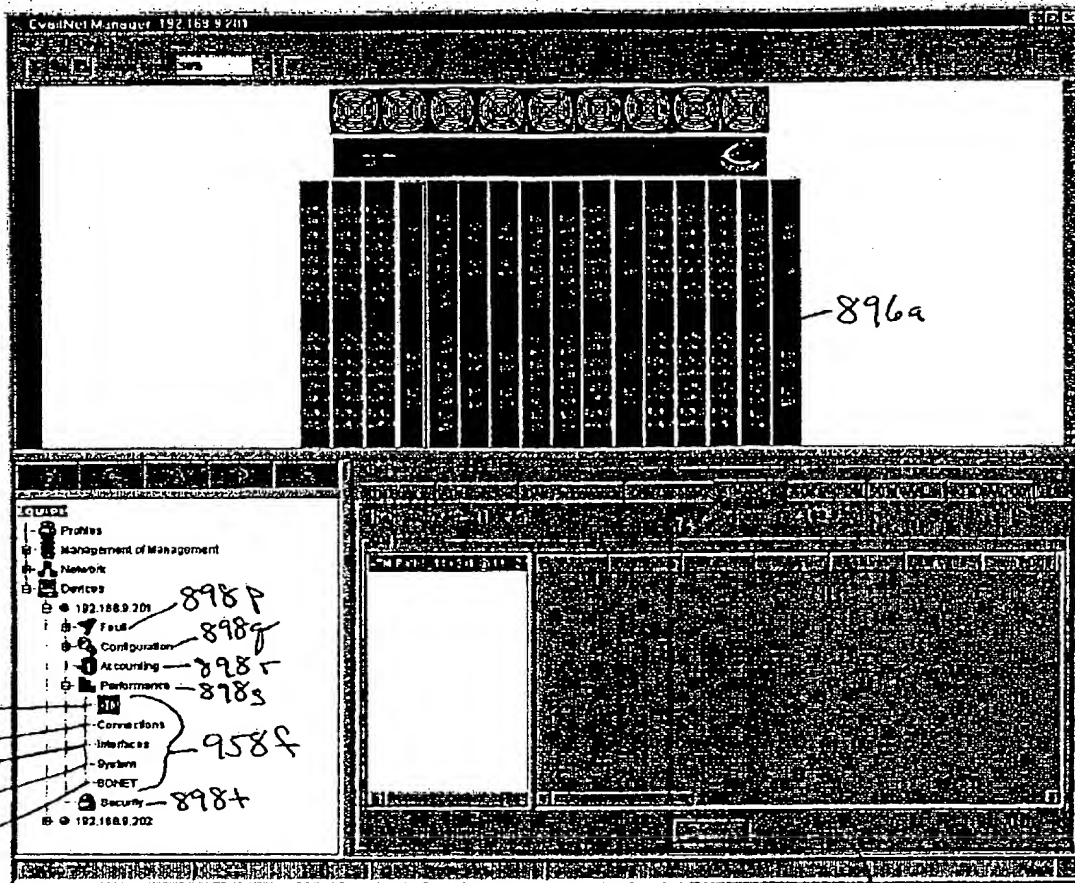


Fig. 7

↙ 895



897

Fig. 7s

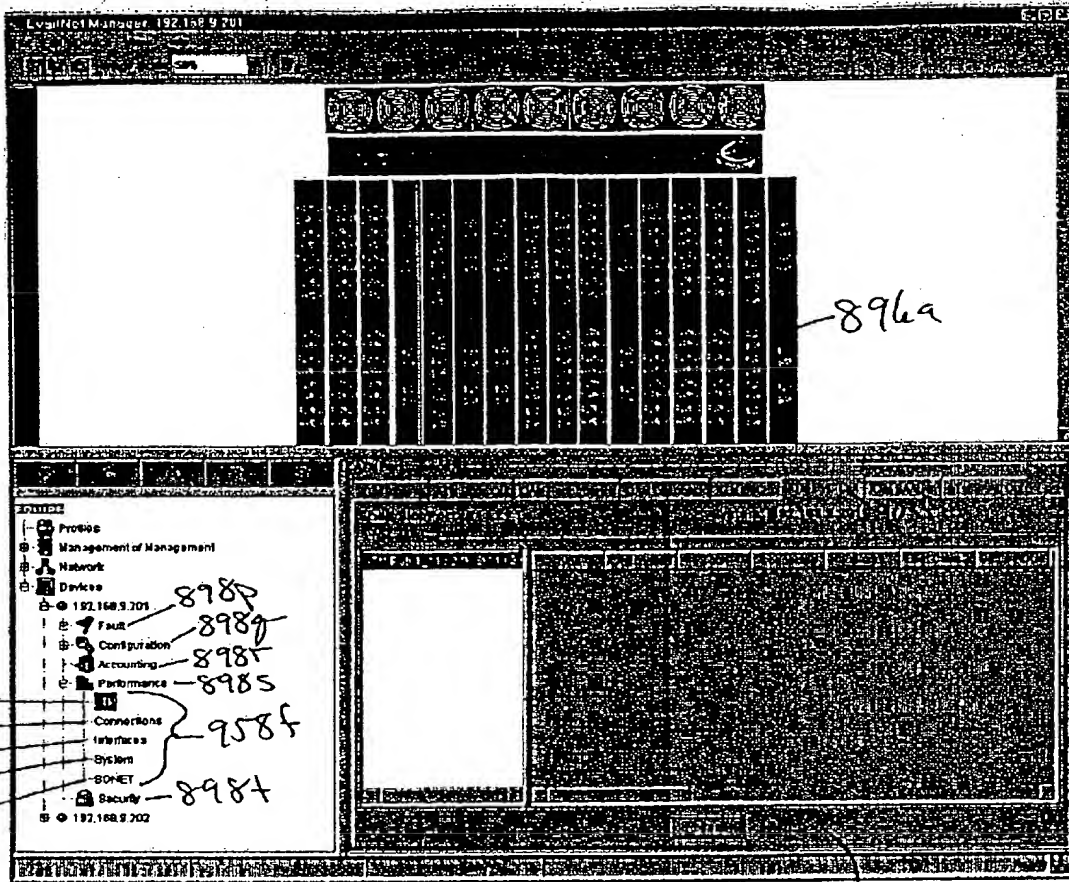
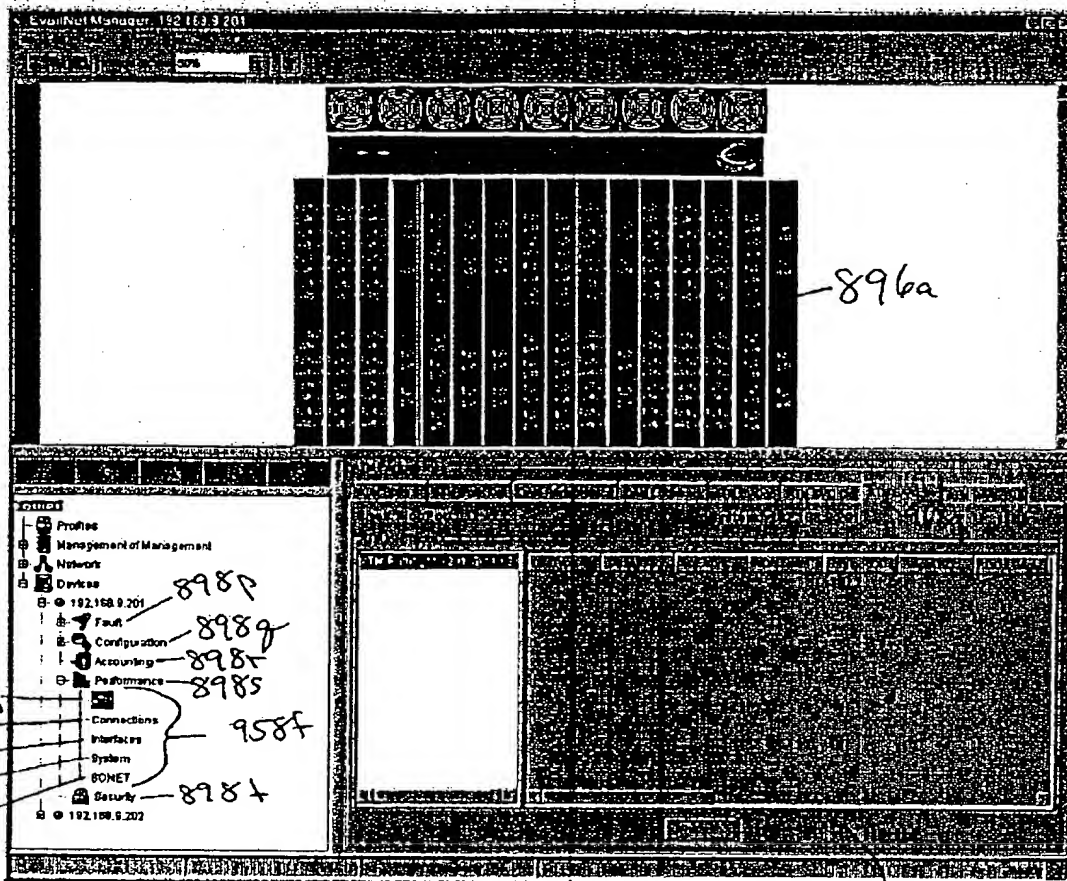


Fig. 7+

895



897

Fig. 7u

895

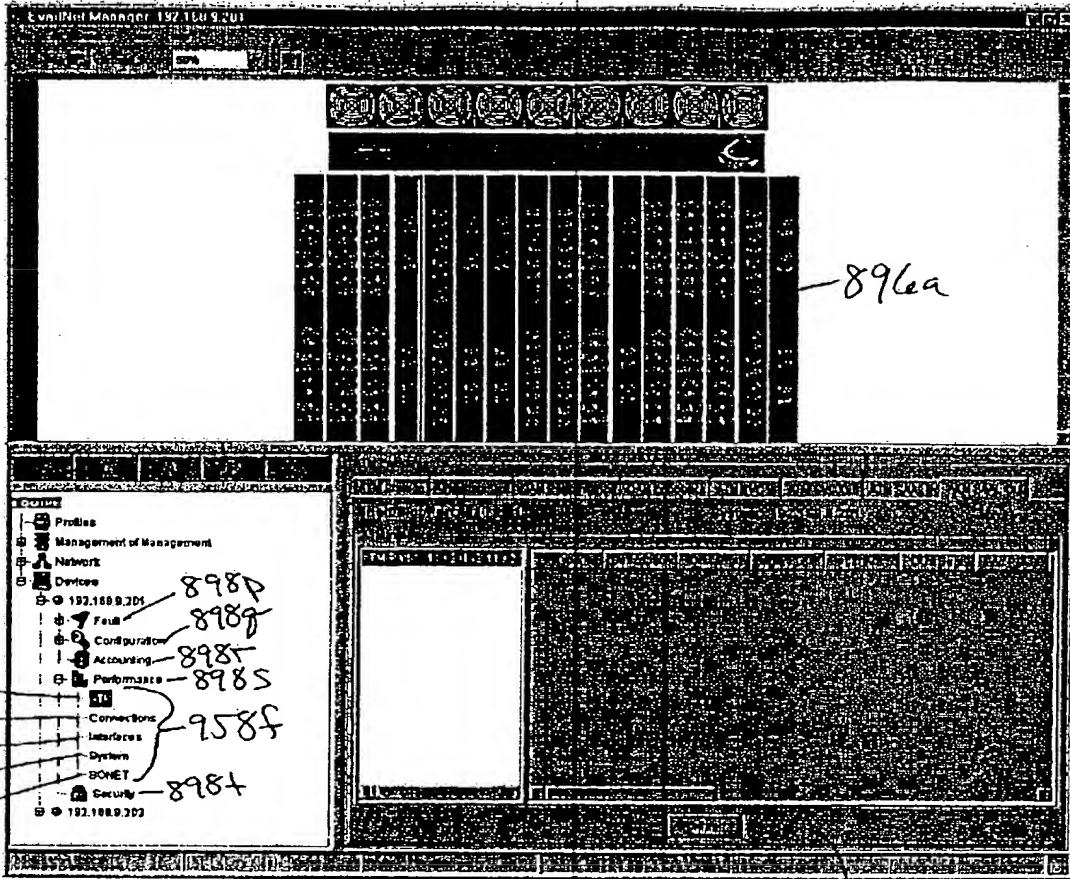


Fig. 7v

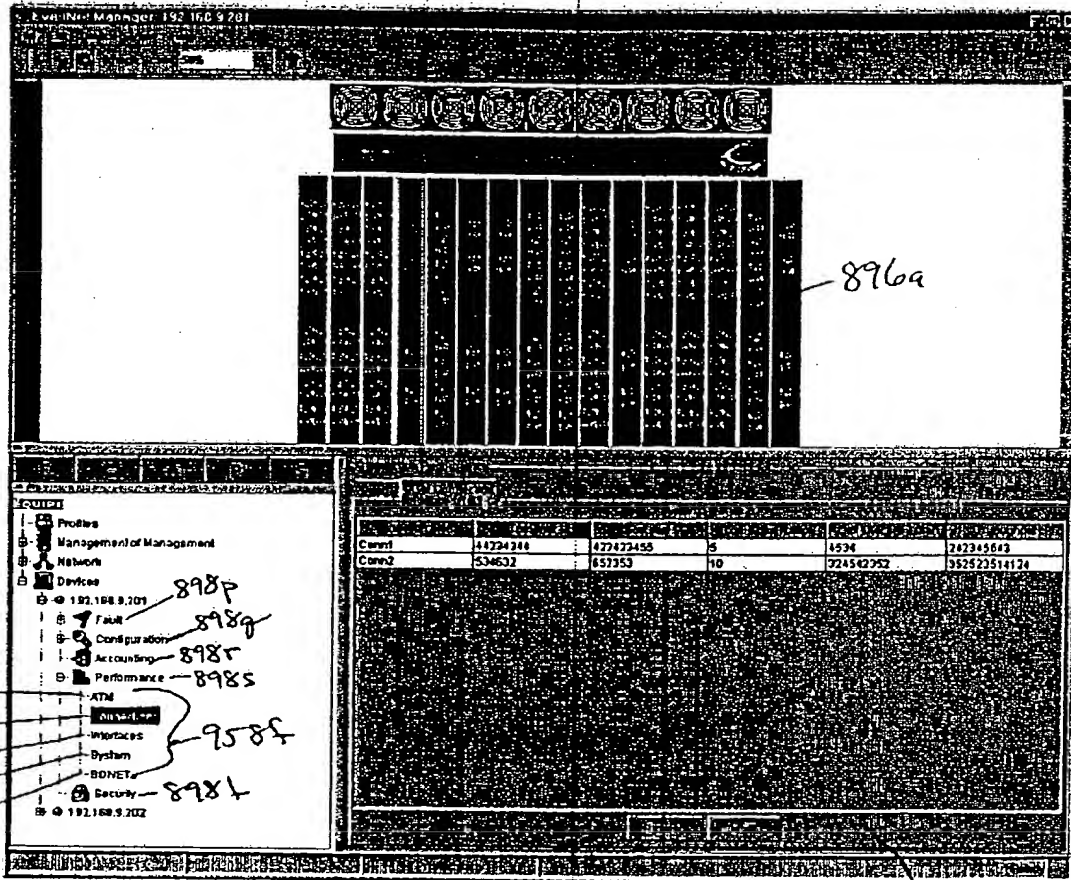
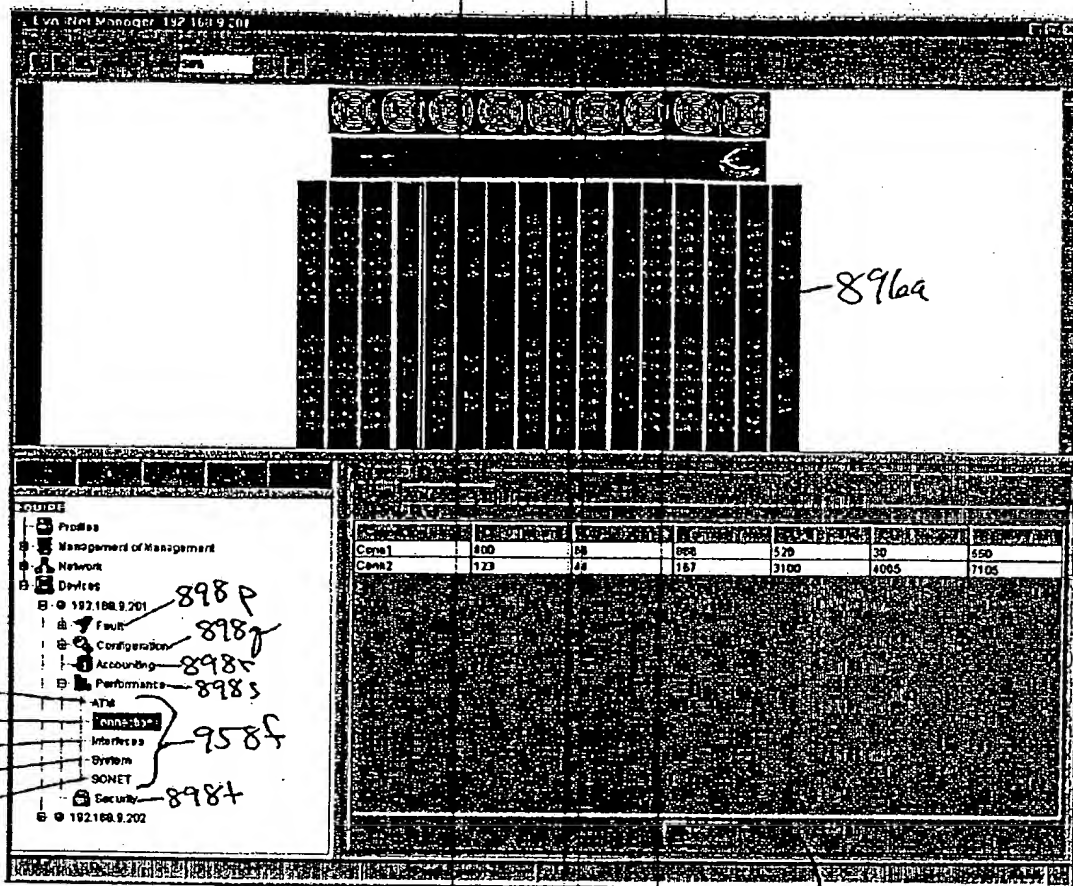


Fig. 7w

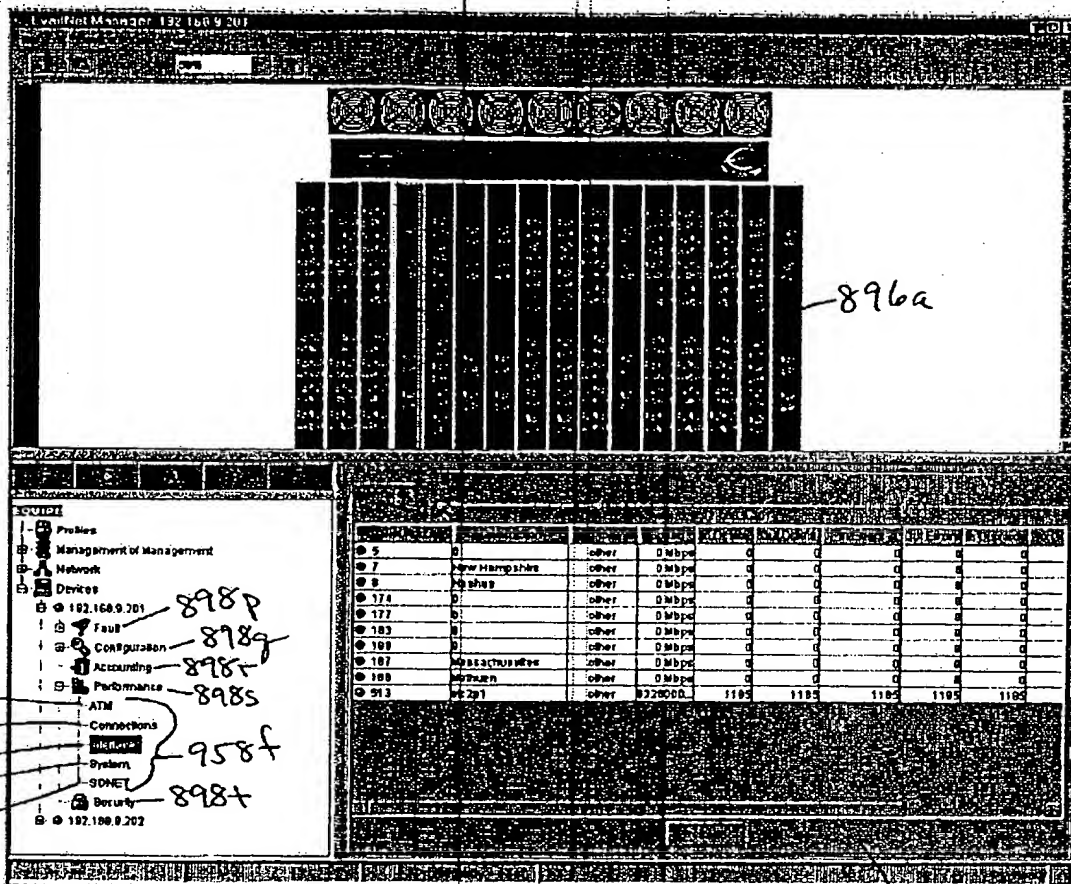
895



897

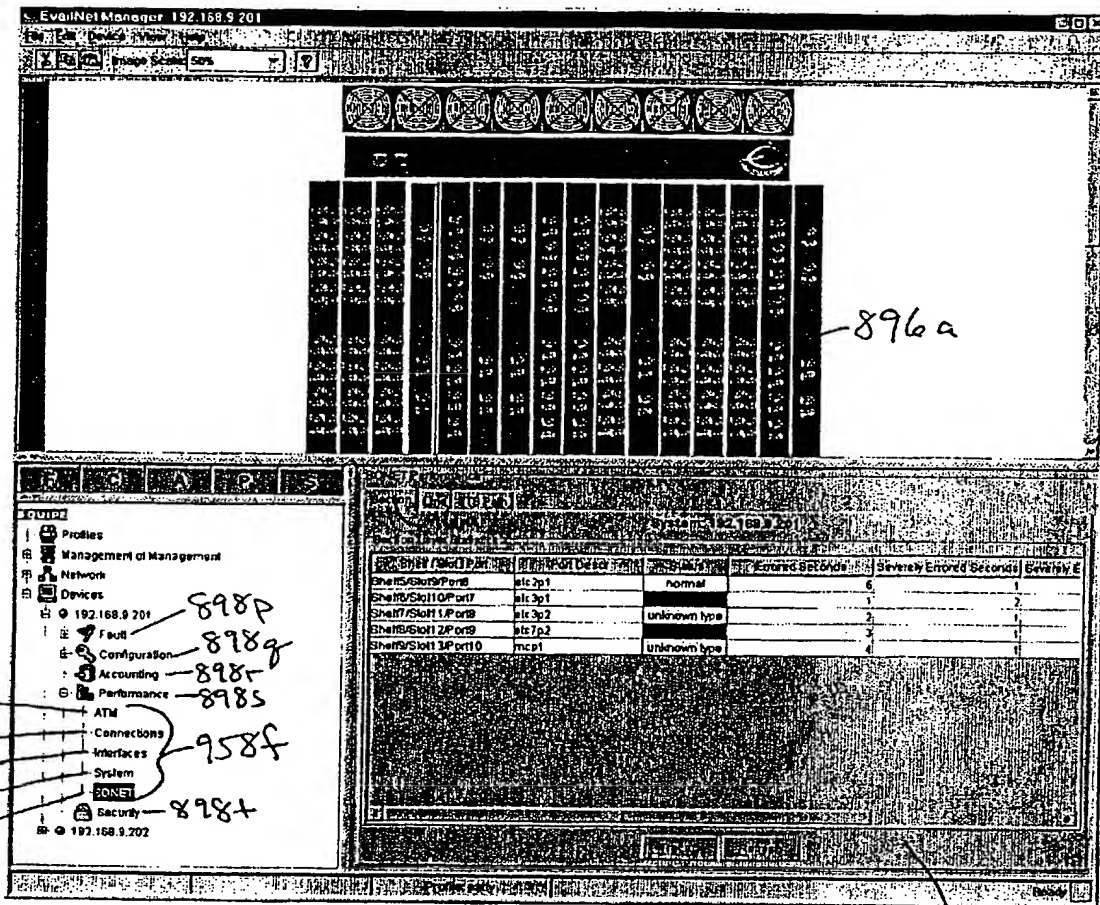
Fig. 7x

895



897

Fig. 7y



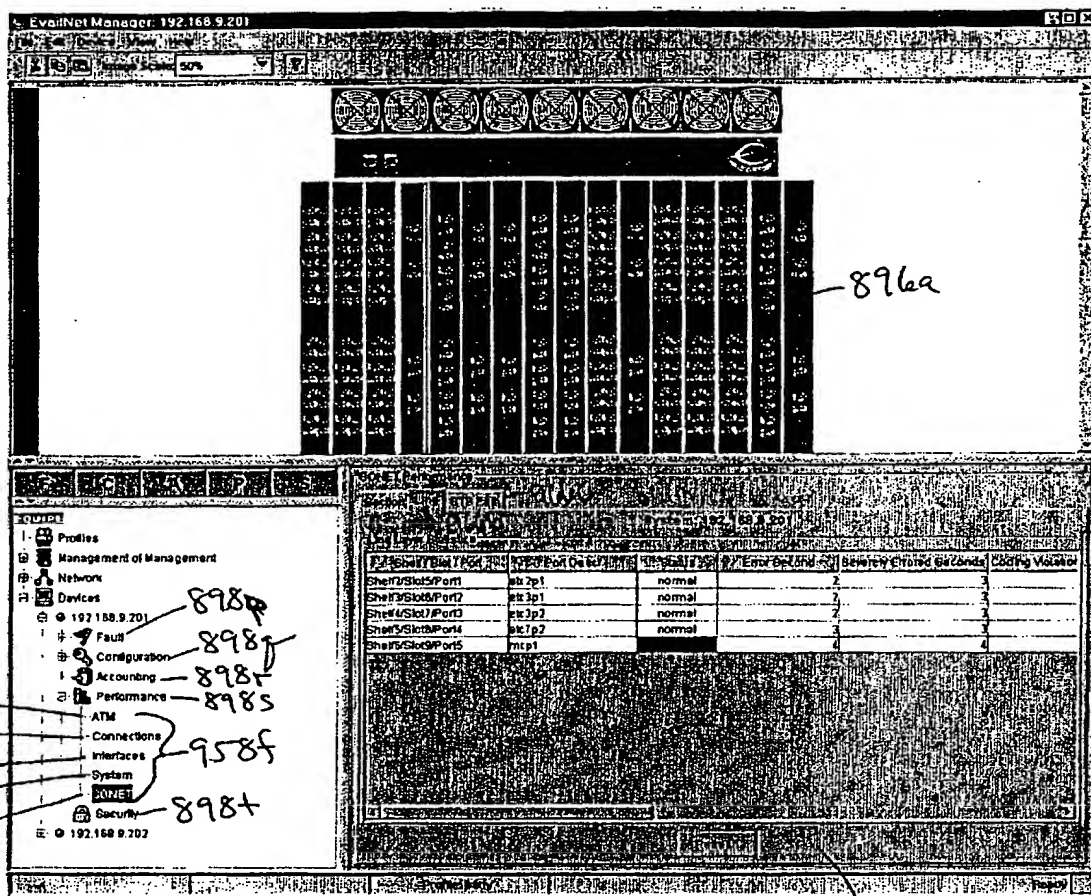


Fig. 8b

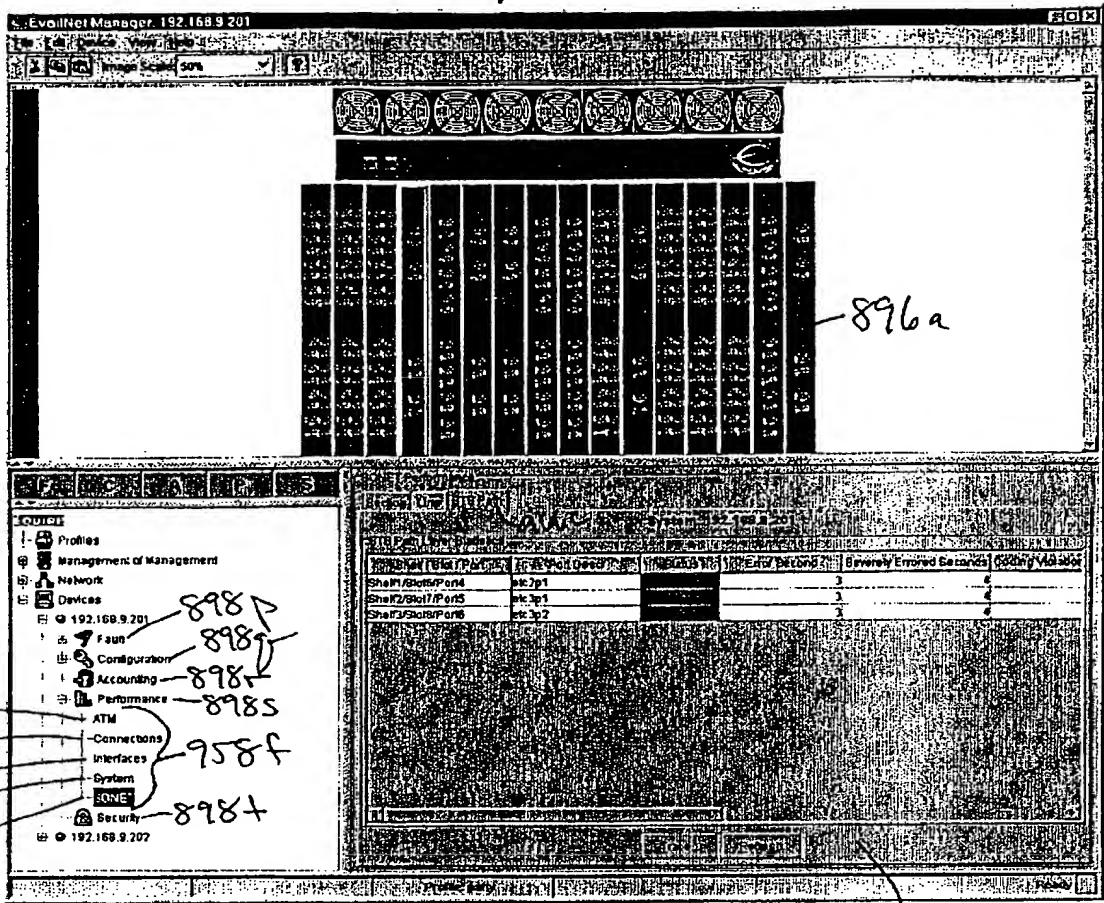
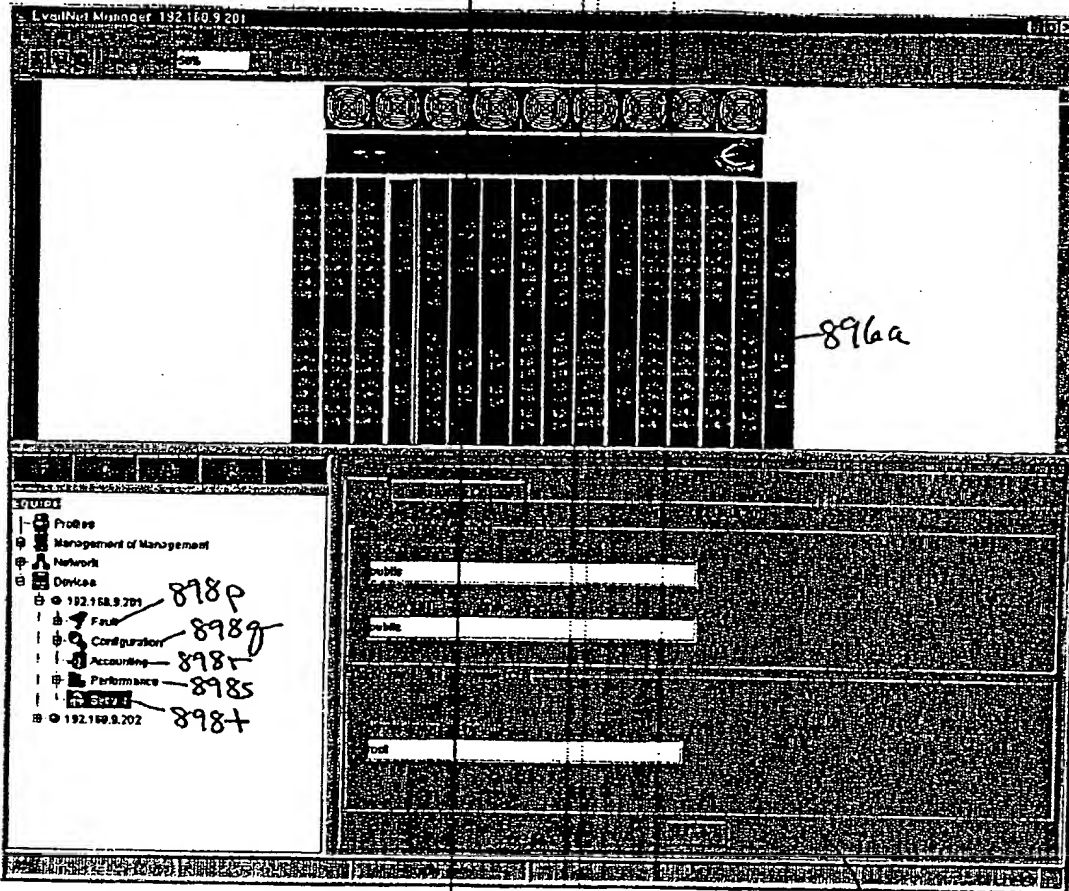


Fig. 8c

895



897

Fig. 8d

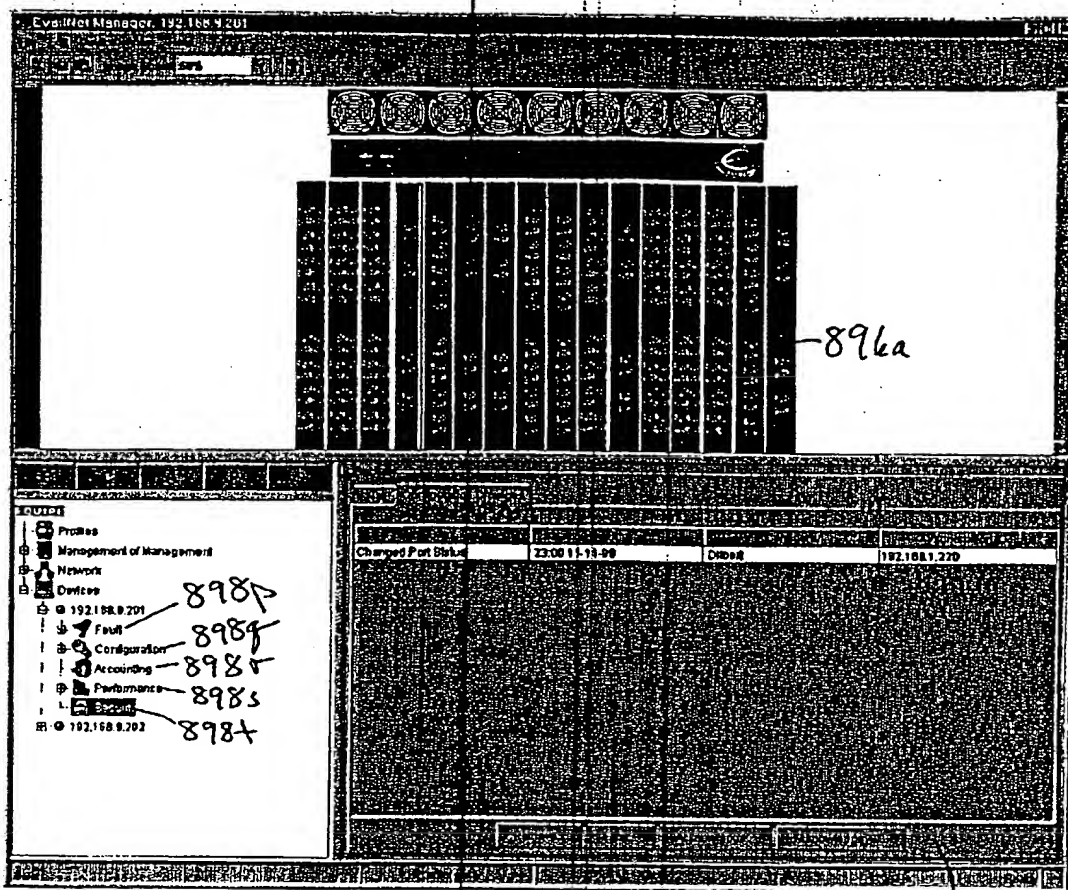


Fig. 8e

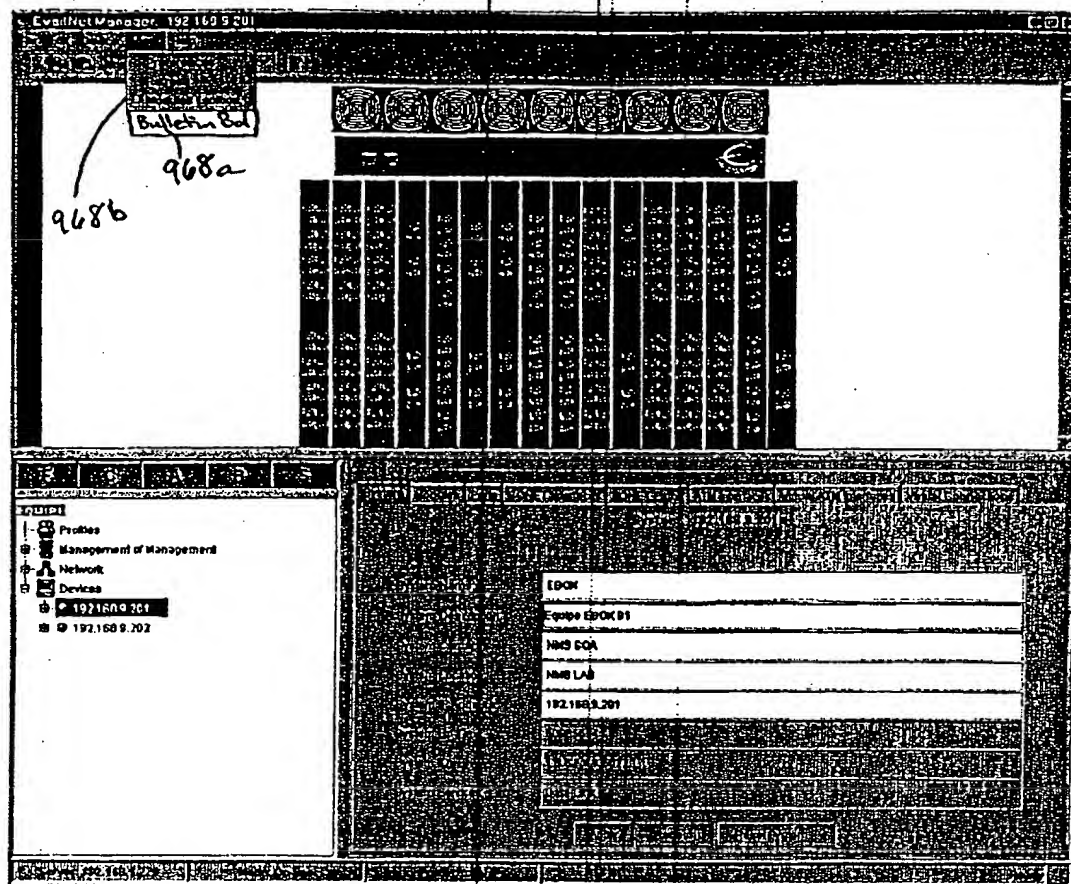
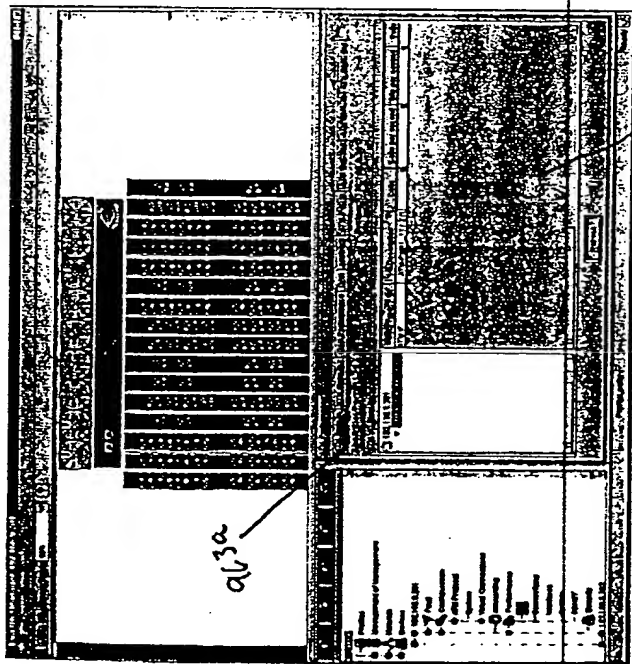


Fig. 9a

970a

971c

885

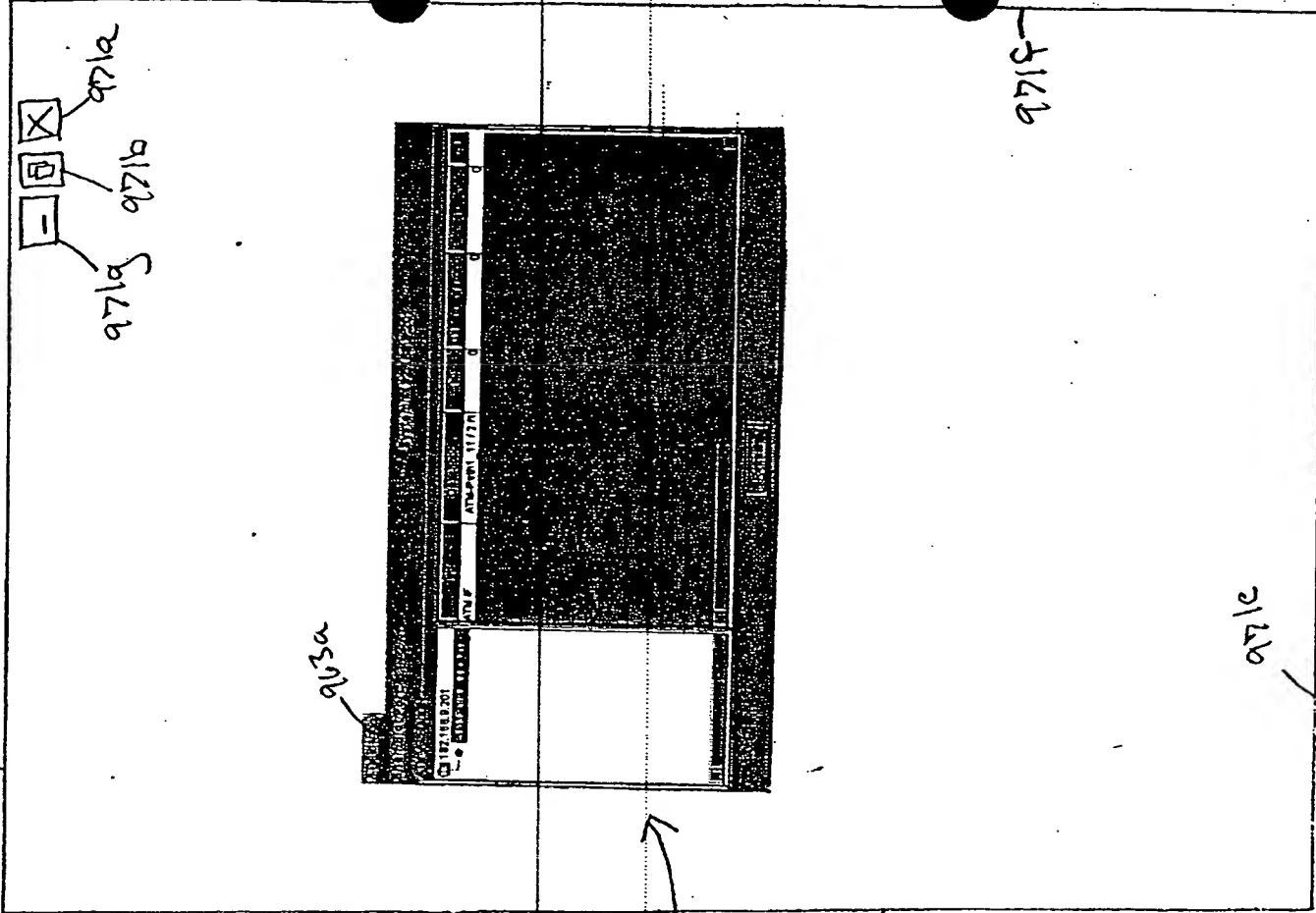


963a

969a

971d

Fig. 9b

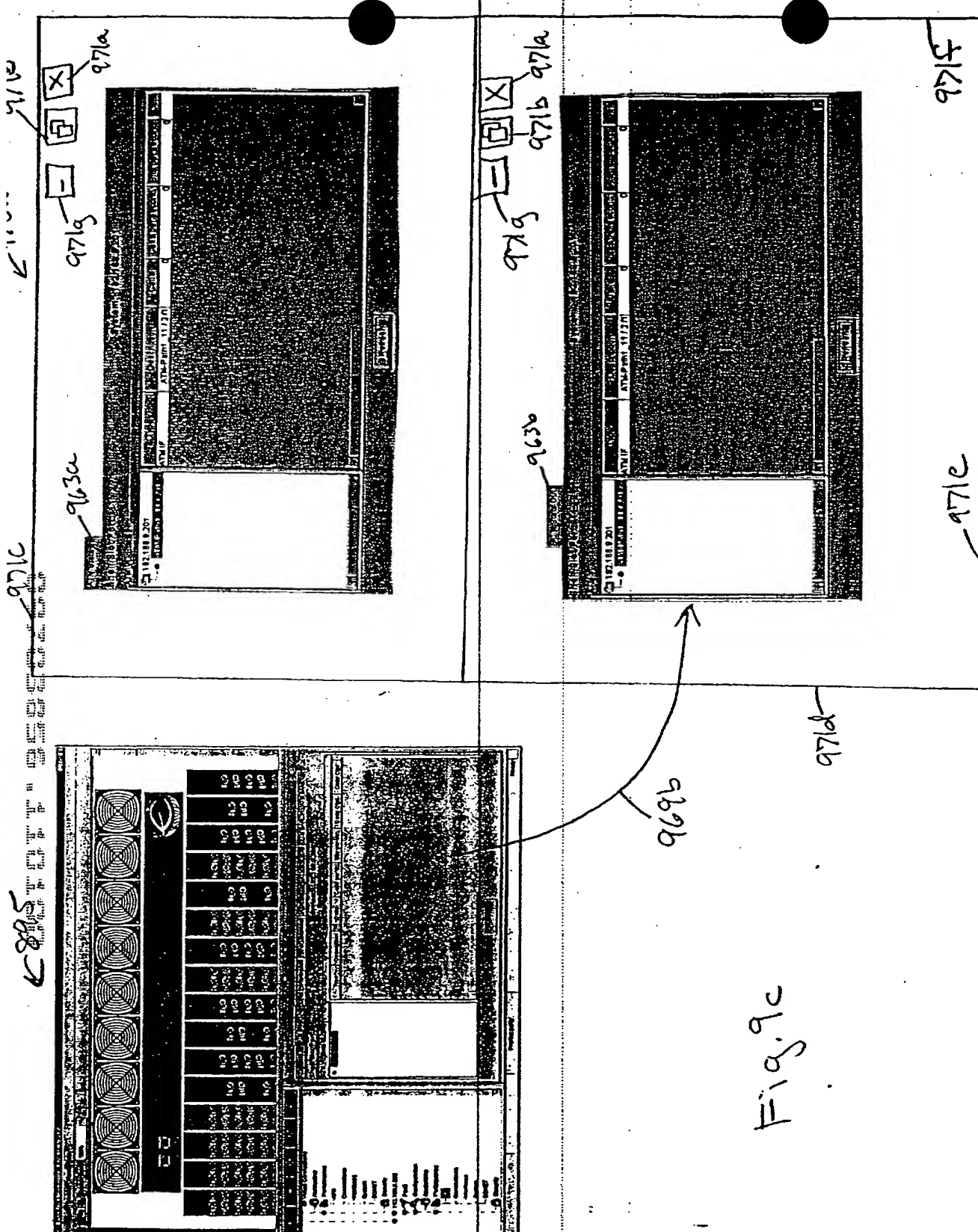


971g 971b 971a

963a

971f

971e



895

963a

963b

963c

963d

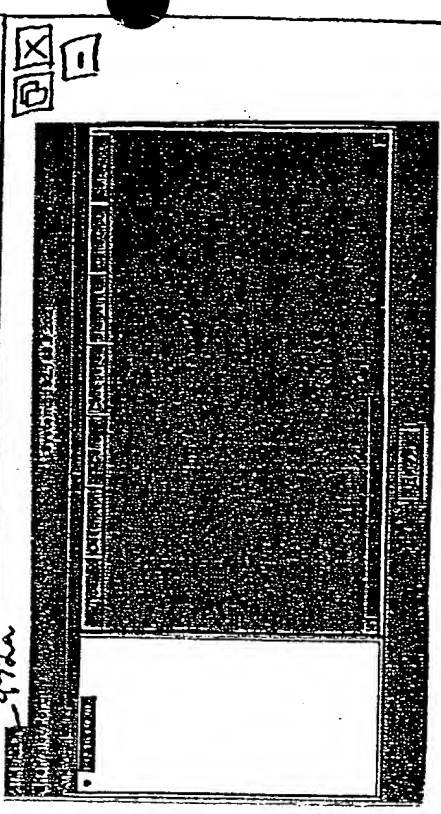
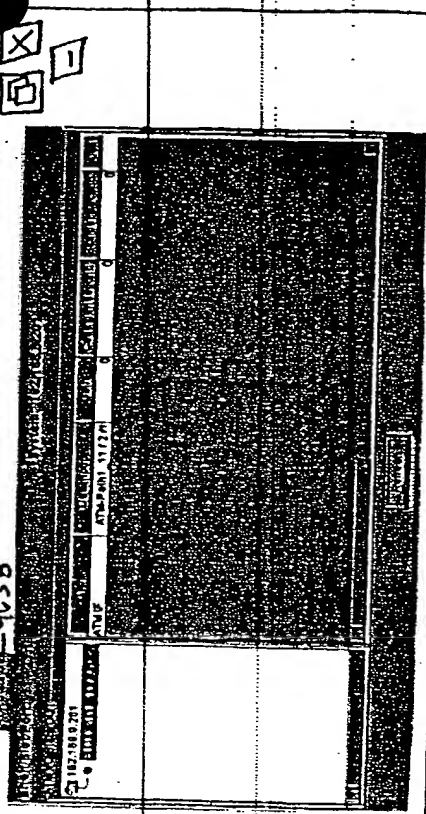
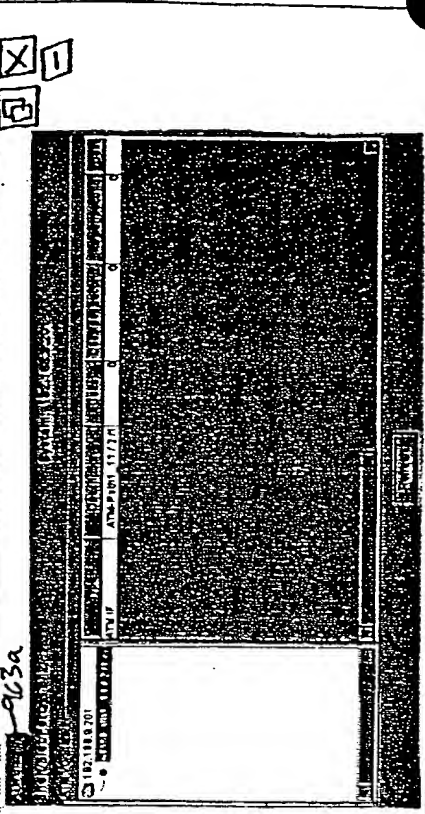
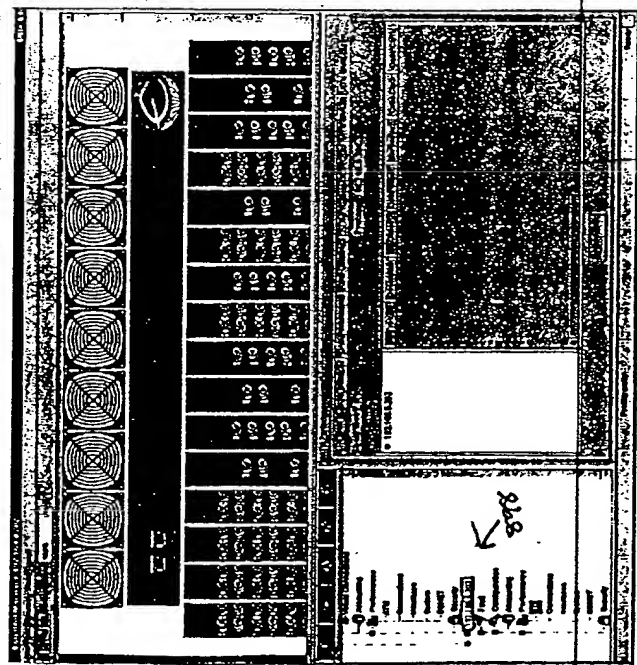
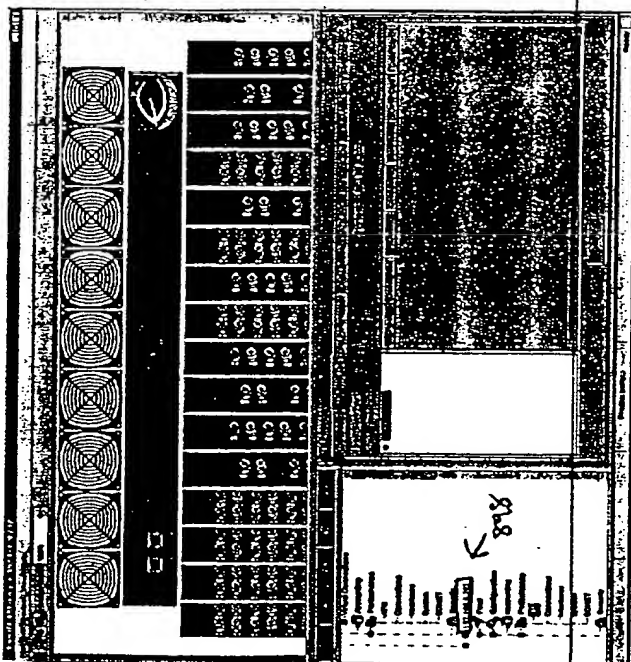
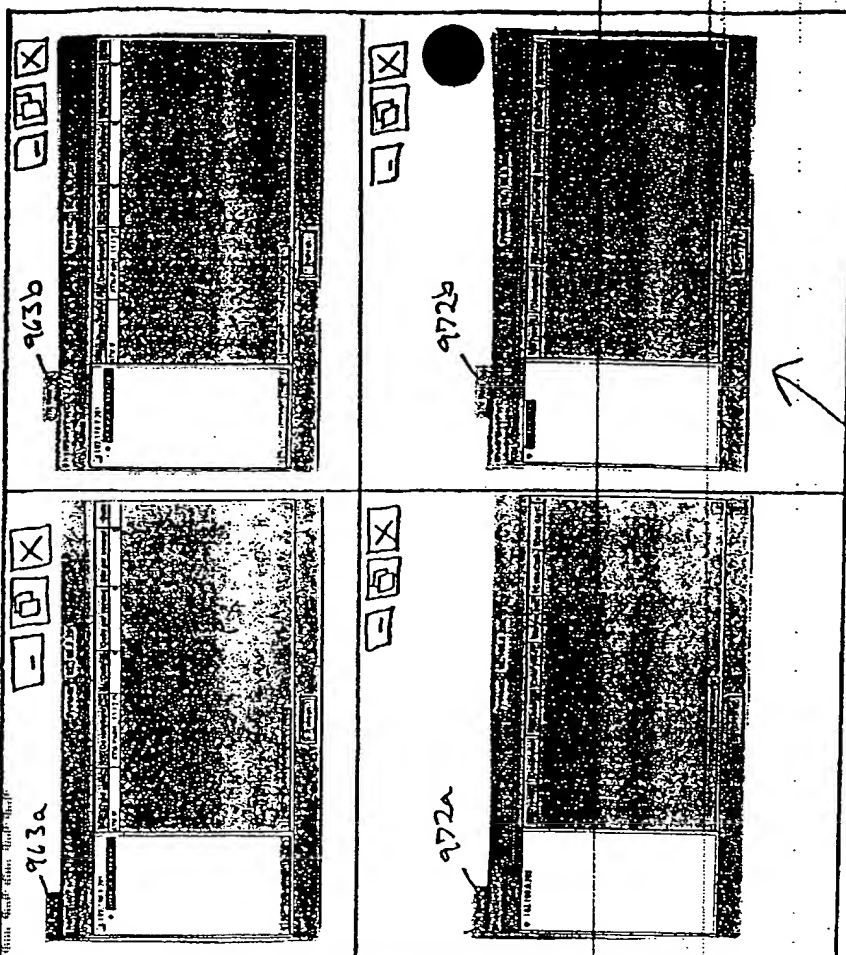
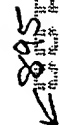


Fig. 9d



11-10-20

9696

970a

970b

970a

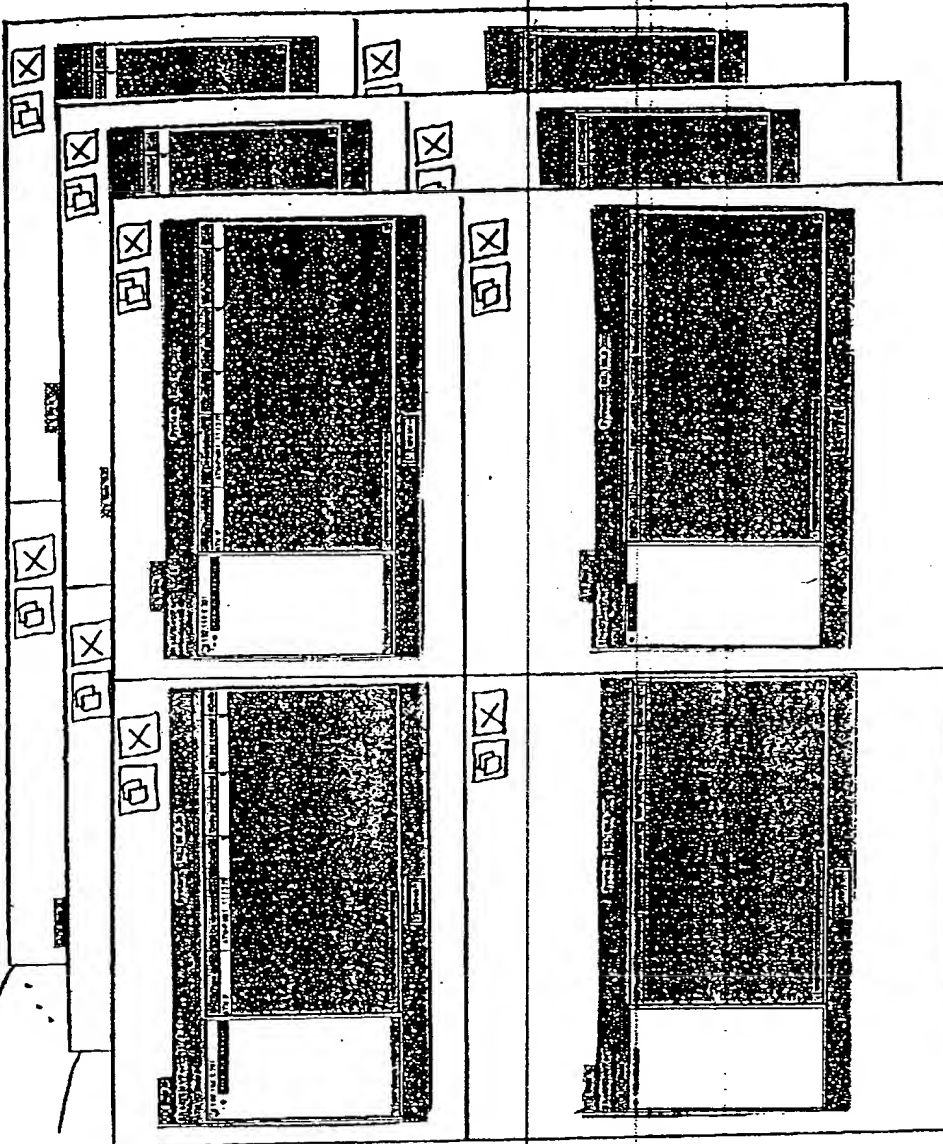
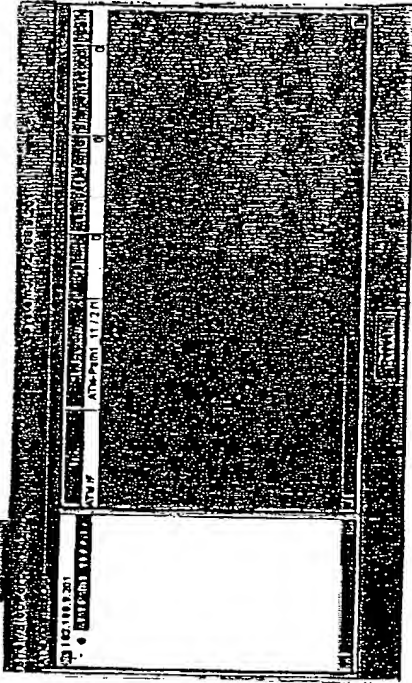


Fig. 9f

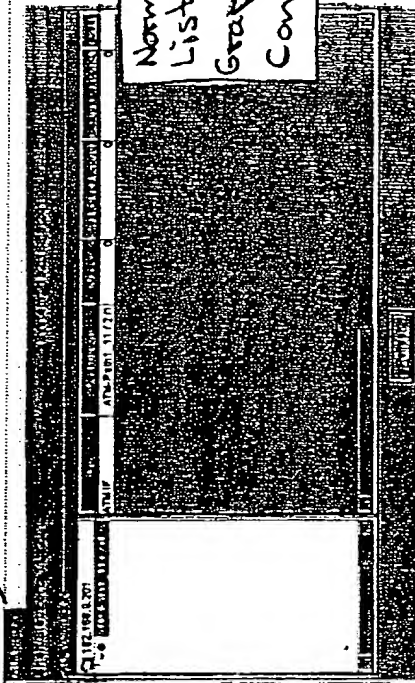
970a

Figure 970a is a screenshot of the equipment configuration screen. It shows a list of equipment items on the left and a detailed view of the selected item on the right. The detailed view includes fields for Name, Description, and other parameters. The screen is titled "Equipment Configuration" and has a "Back" button at the bottom.

963b



963a

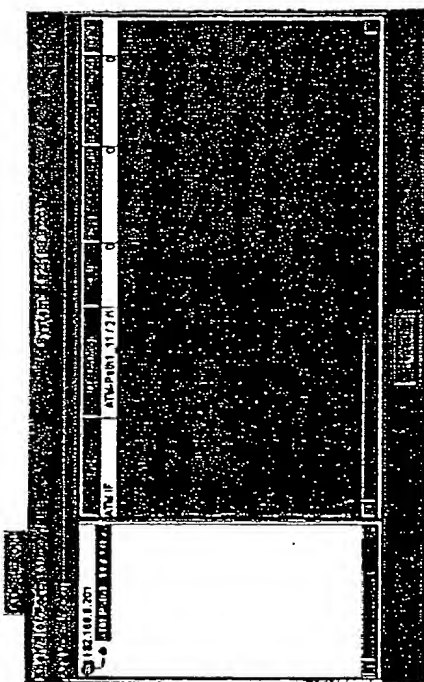


973

Normal — 973a
List — 973b
Graph — 973c
Config — 973d

Fig. 9g

970a



System: 192.168.9.201

Type: ATM IF

Description: ATM-Path 1_11/21

Cells:

Cells Per Second:

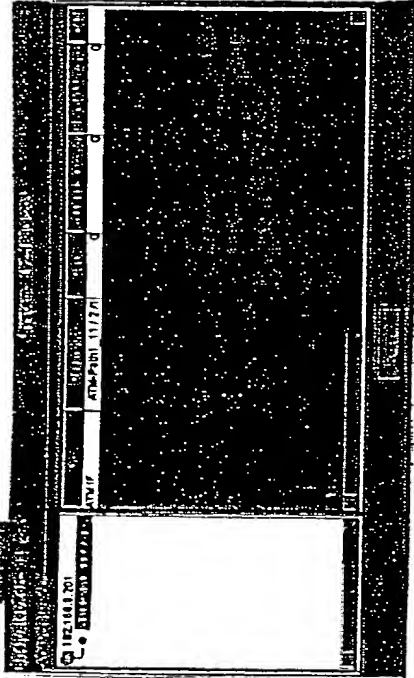
Bits Per Second:

•
•
•

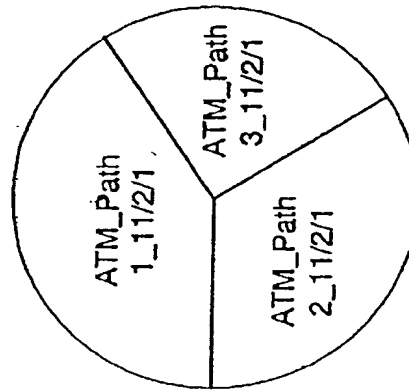
974a

Fig. 9h

← 110a



Cells Per Second

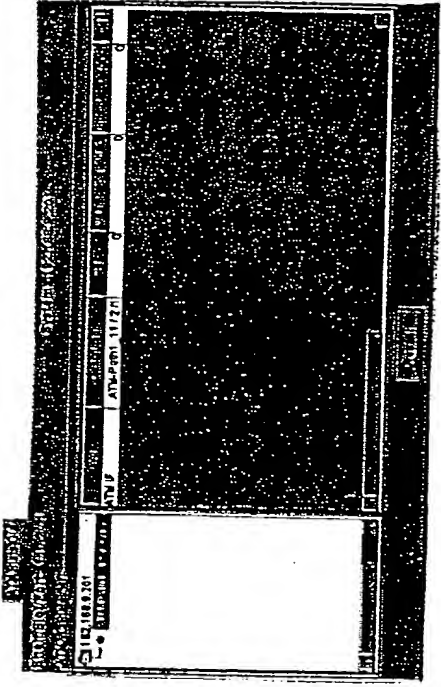


← 974b

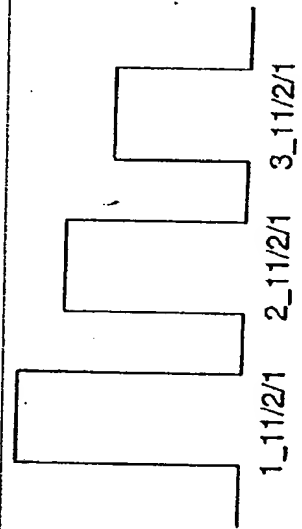
Fig. 9i

7/10a

□ □ □ □



□ □ □ □

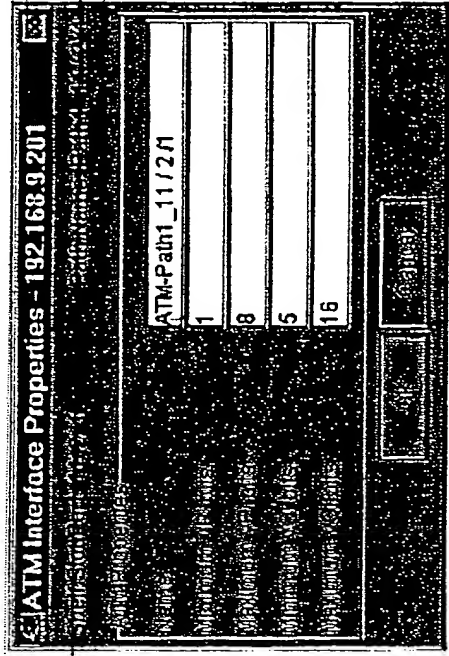
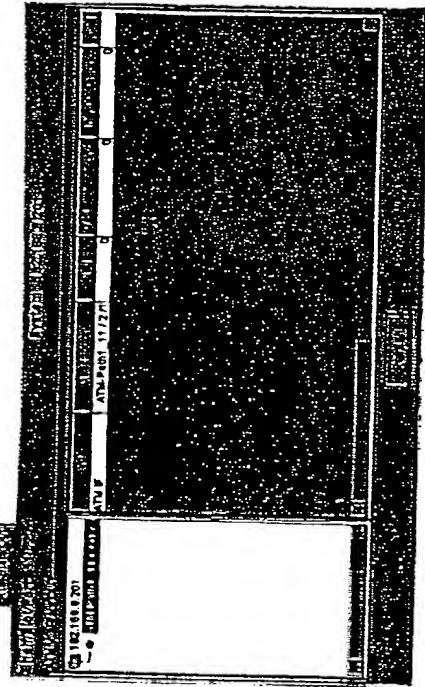


ATM_Path
Cells Per Second

← 974c

Fig. 9j

✓ 4/0a



9742

Fig. 9K

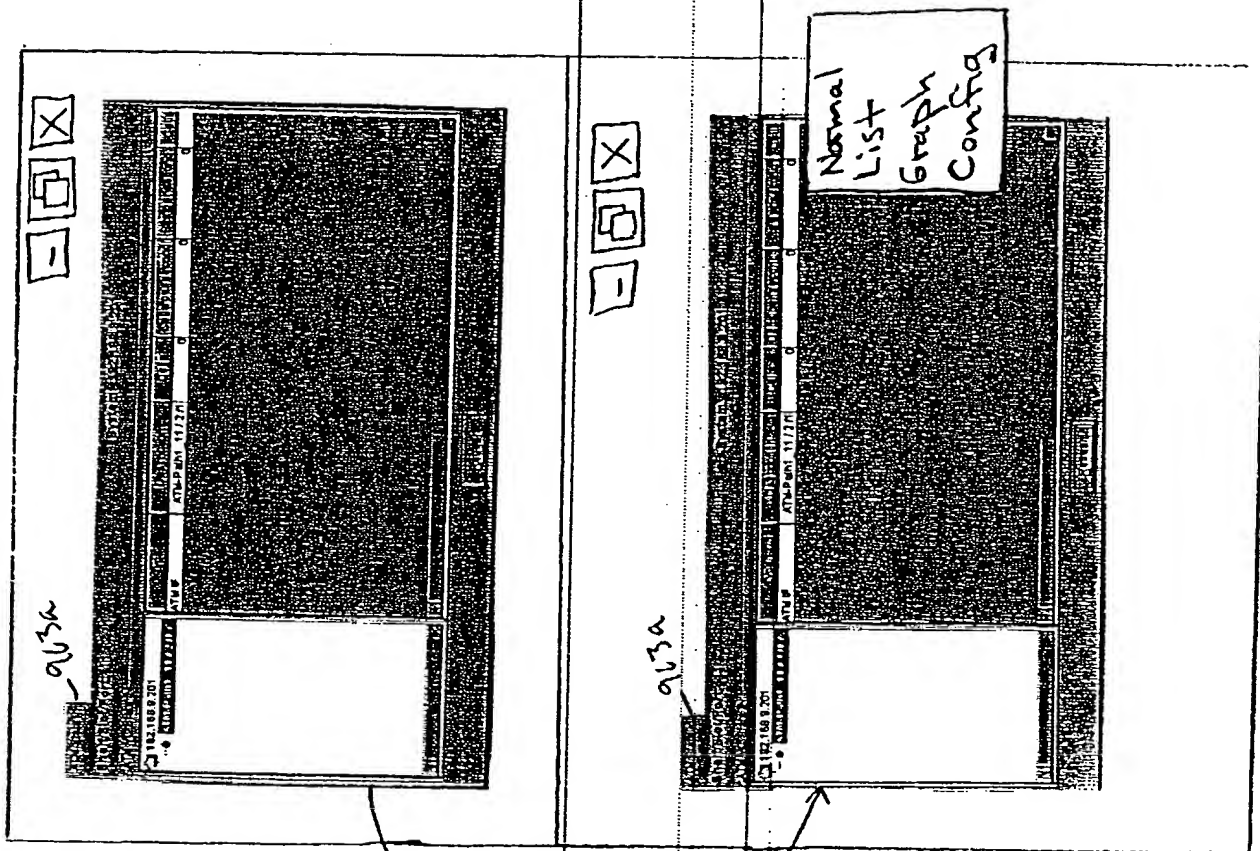


Fig. 91

970a

System: 192.168.9.201

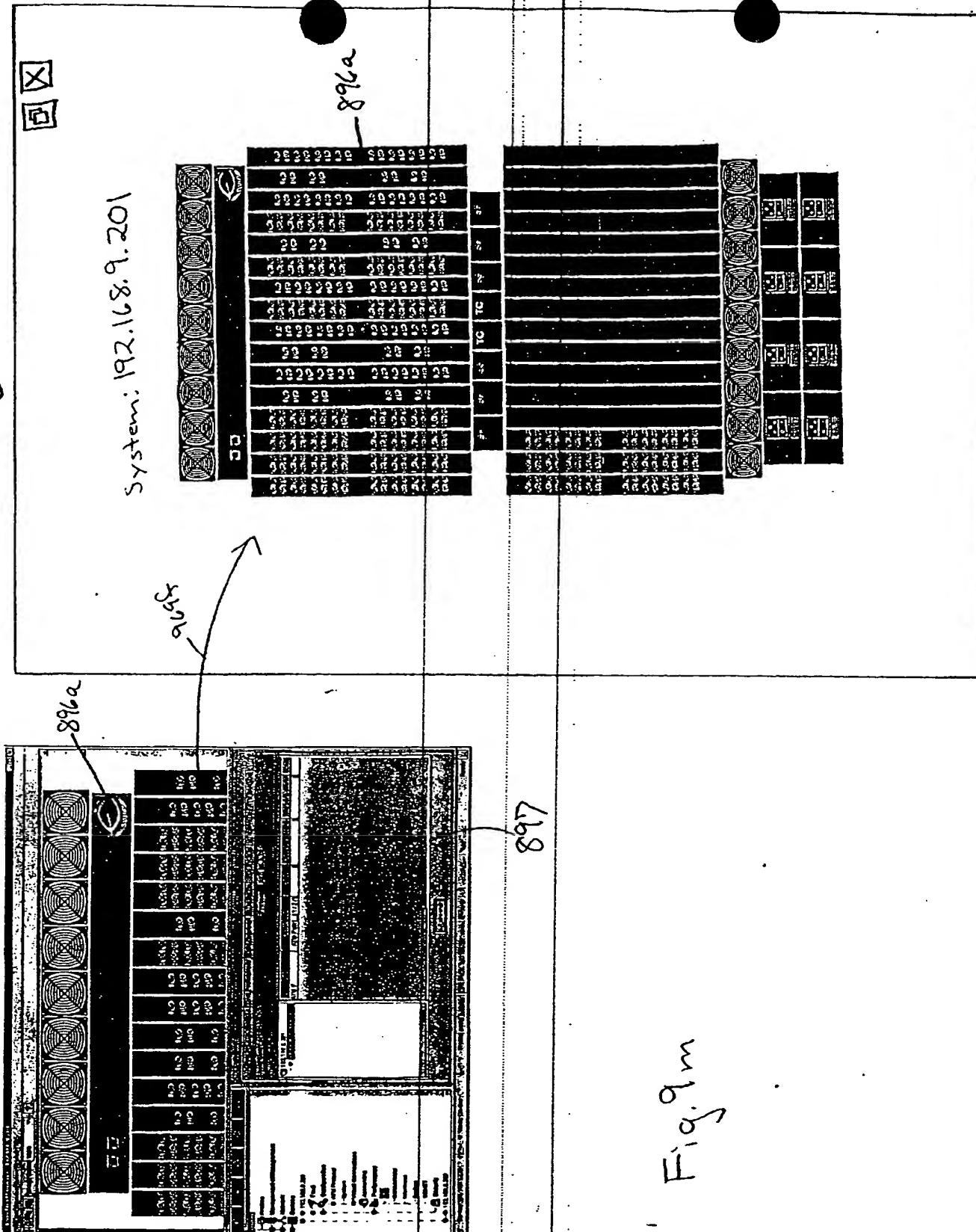
896a

896a

896a

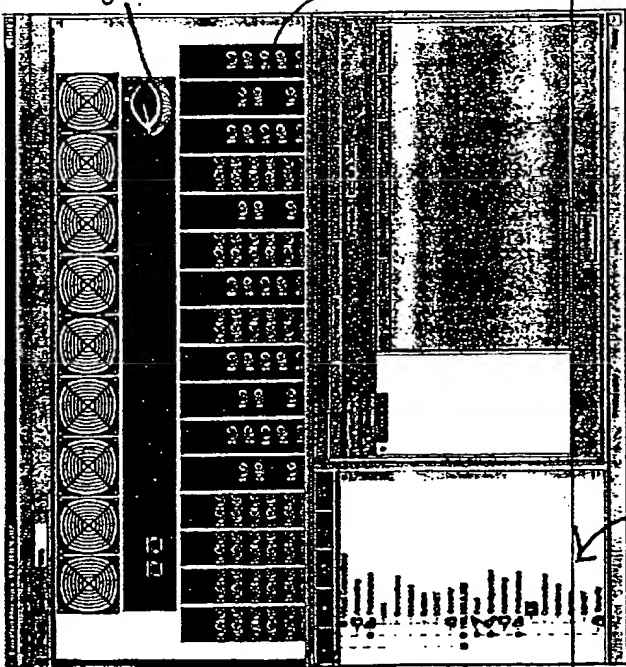
897

Fig. 9m



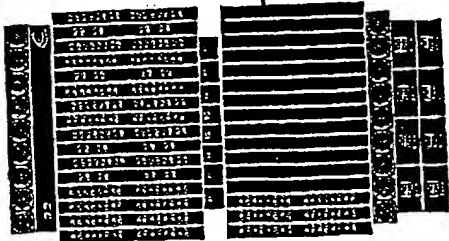
✓ 970a

✓ 895



975

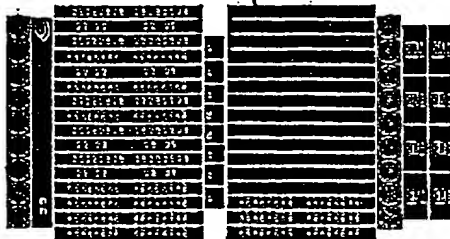
System:
192.168.9.201



896a



System:
192.168.9.202



975

969g

Fig. 9n

898

895

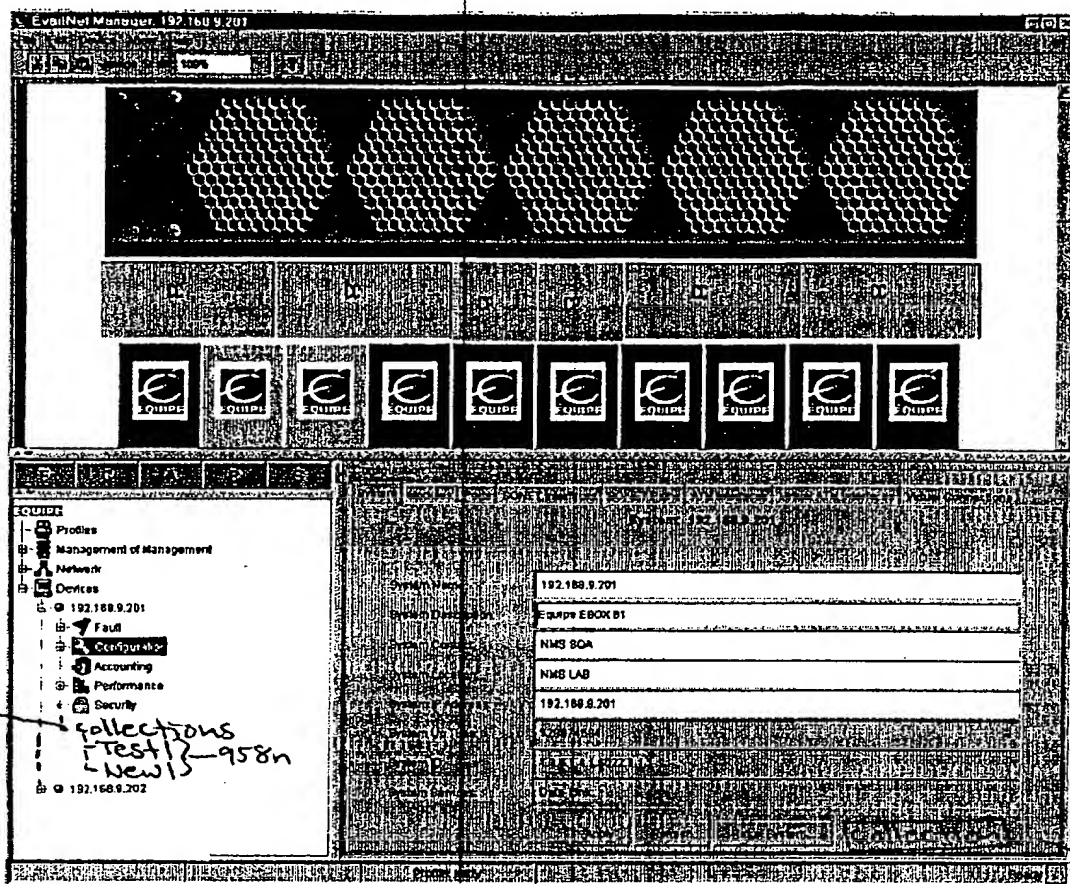


Fig. 10b

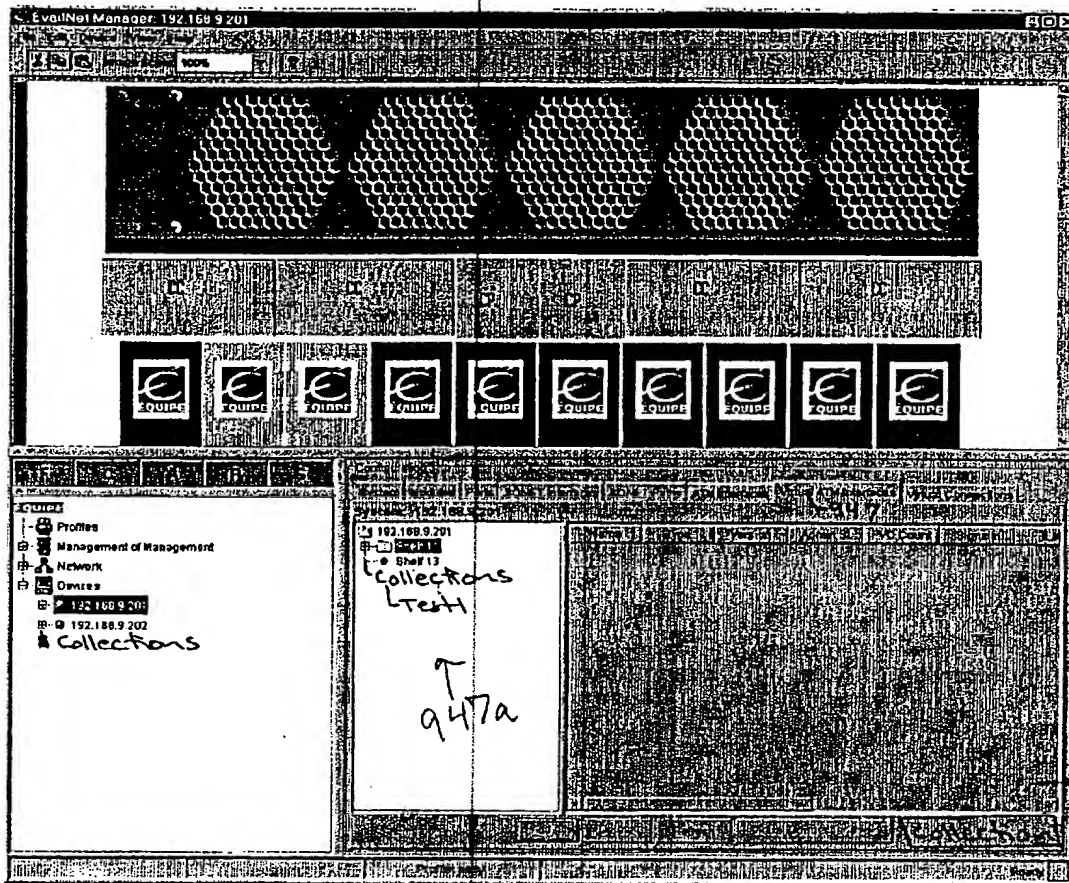


Fig. 10c

895

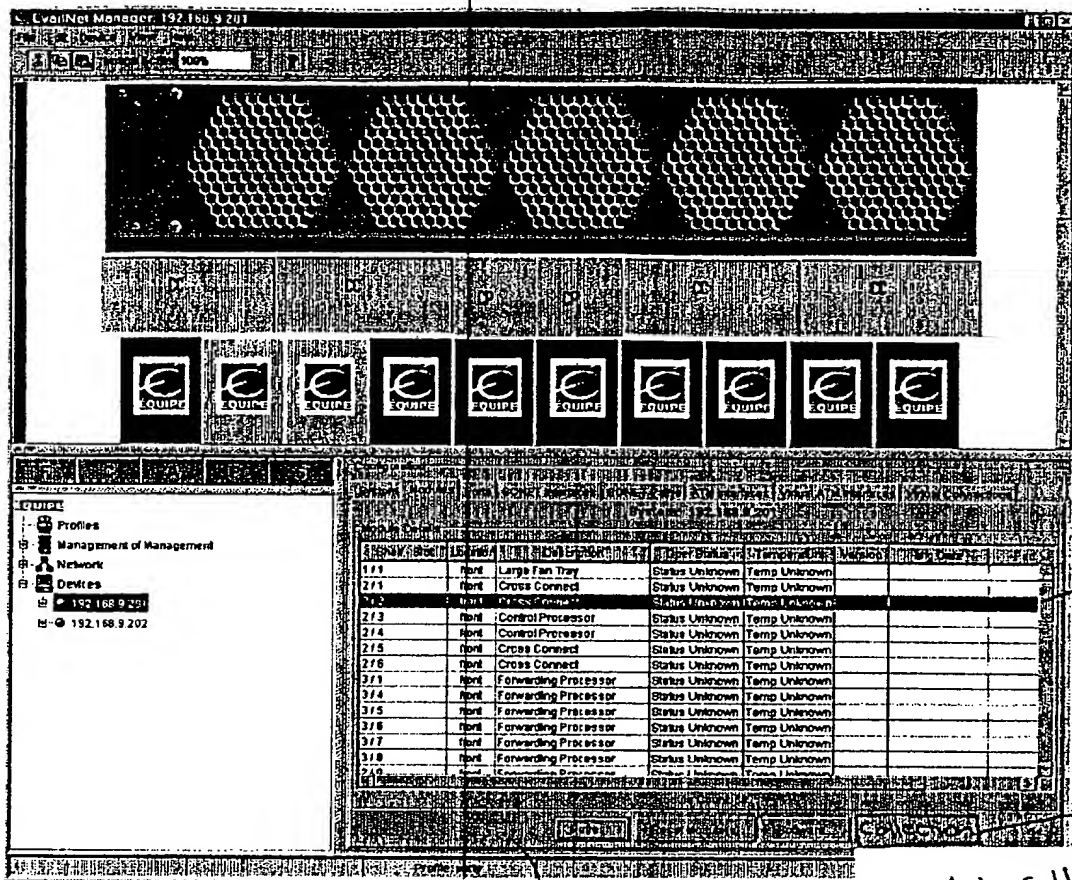


Fig. 10d

897

Add to Collection
New Collection

979c

979d

Collection Name:

OK

Fig. 10e

979e

Existing Collections:

Test1

New1

Walmart

Kmart

OK

Fig. 10f

979f

979g

895

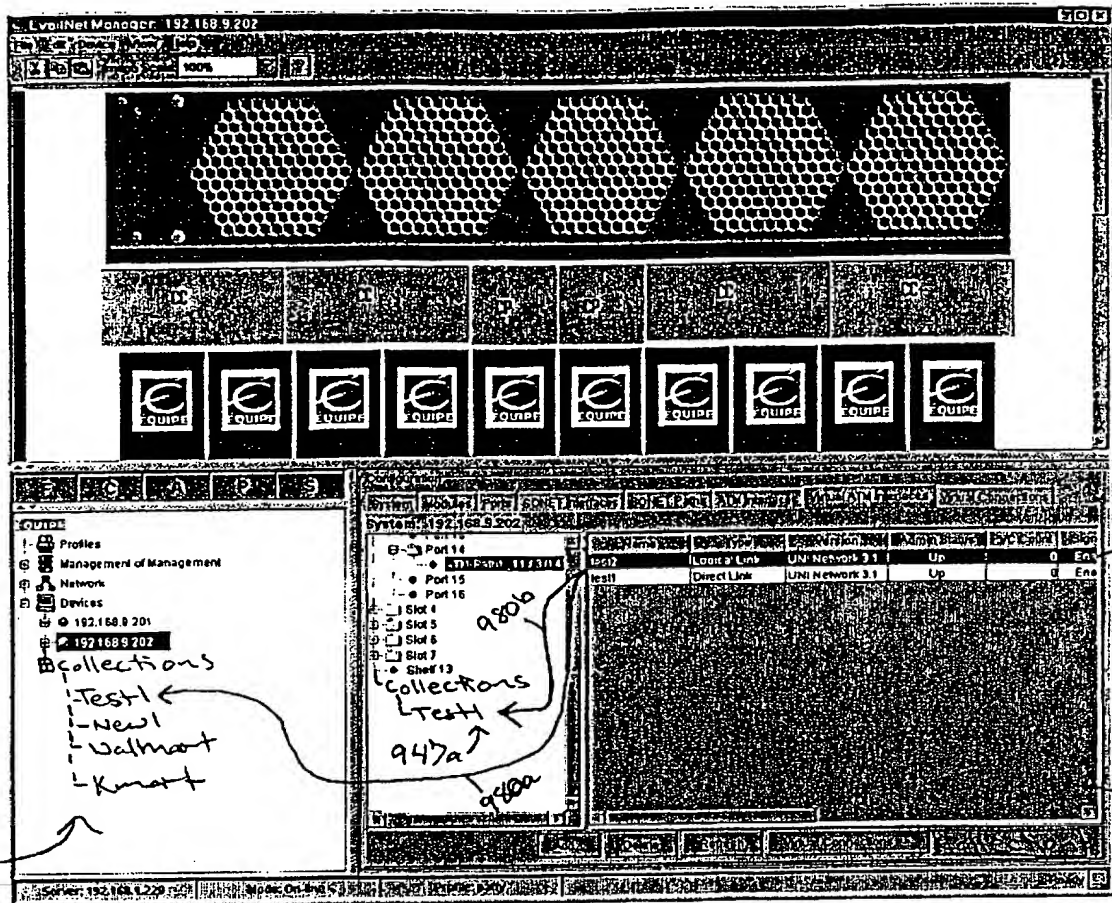


Fig. 109

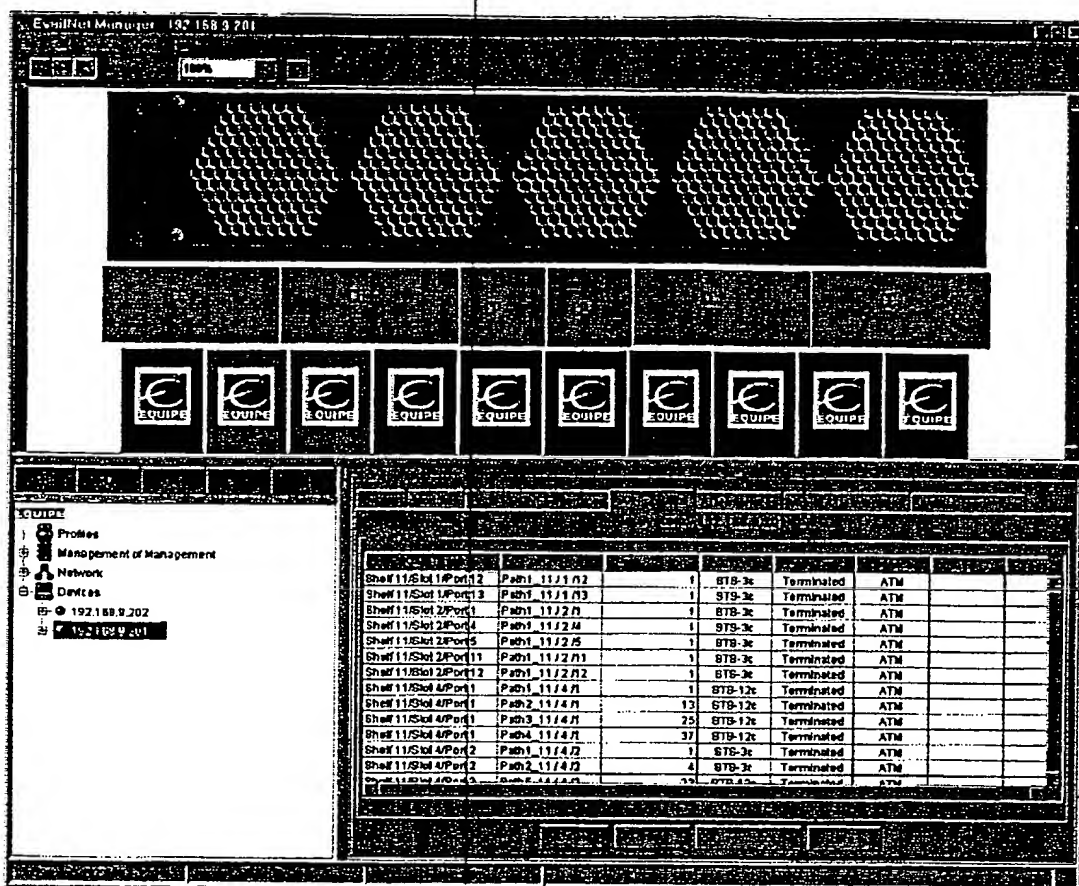


Fig. 10h

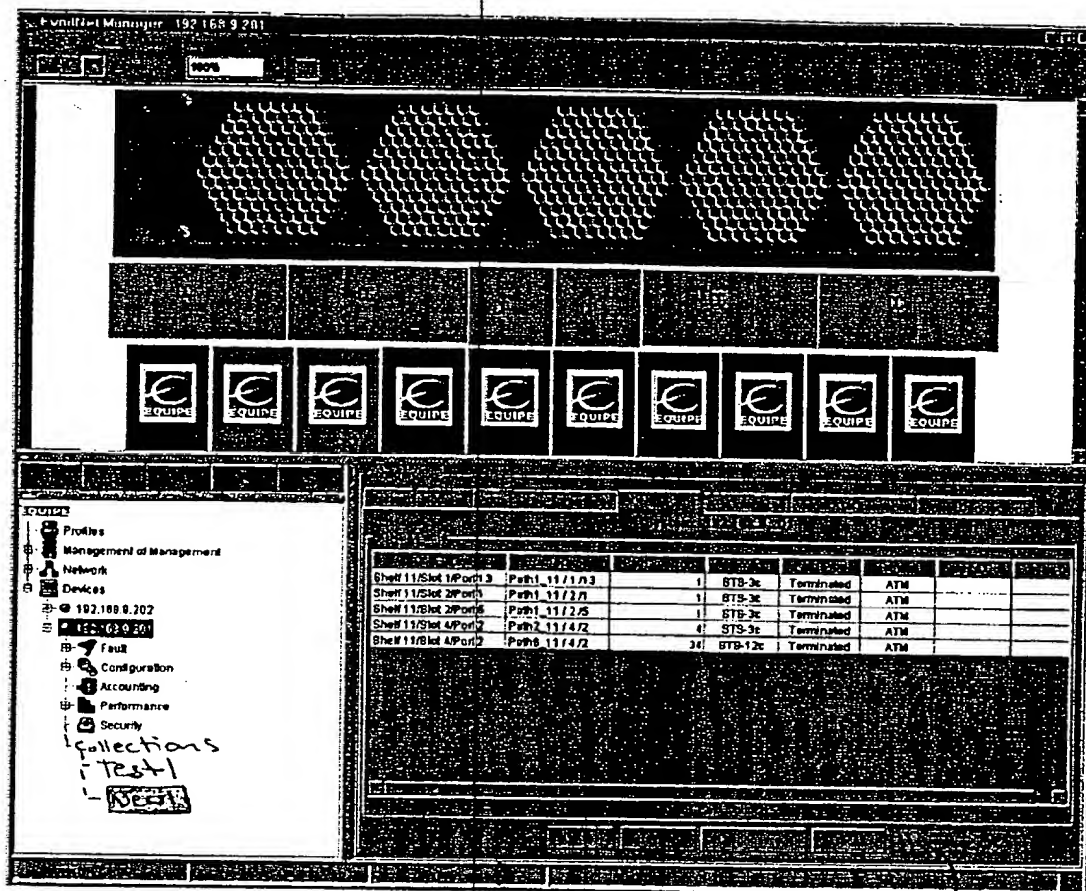


Fig. 10i

982

904

Name	Description	Security	Relist	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.37
Wayne	(Wayne Arns)	Provisioner	15	TeamServer1:192.168.1.32	TeamServer2:192.168.1.32

905

906

Fig. 11a

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READ/WRITE	Retry	Timeout	
192.168.9.202	public	equipe	3	5	908p
192.168.9.205	public	equipe	3	5	908q
192.168.9.216	public	equipe	3	5	908r

908s

OK Cancel 908t

Fig. 11b

Fig. 11c

General Policies Servers **Devices**

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.205

Secondary Server Port: 6503

OK Cancel

9084

General Policies Servers **Devices**

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	5	162
192.168.9.205	public	equipe	3	5	162
192.168.9.216	public	equipe	3	5	5012

Add

Delete

OK Cancel

9084

Fig. 11d

Fig. 11e

General Policies Servers Devices

Username: Kevin

Description: Kevin Snow user account

Customer Name: Equipe

Group Level Access: ▼

Password: *****

Confirm Password: *****

OK Cancel

908+

General Policies Servers Devices

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

OK Cancel

908+

Fig. 11f

904

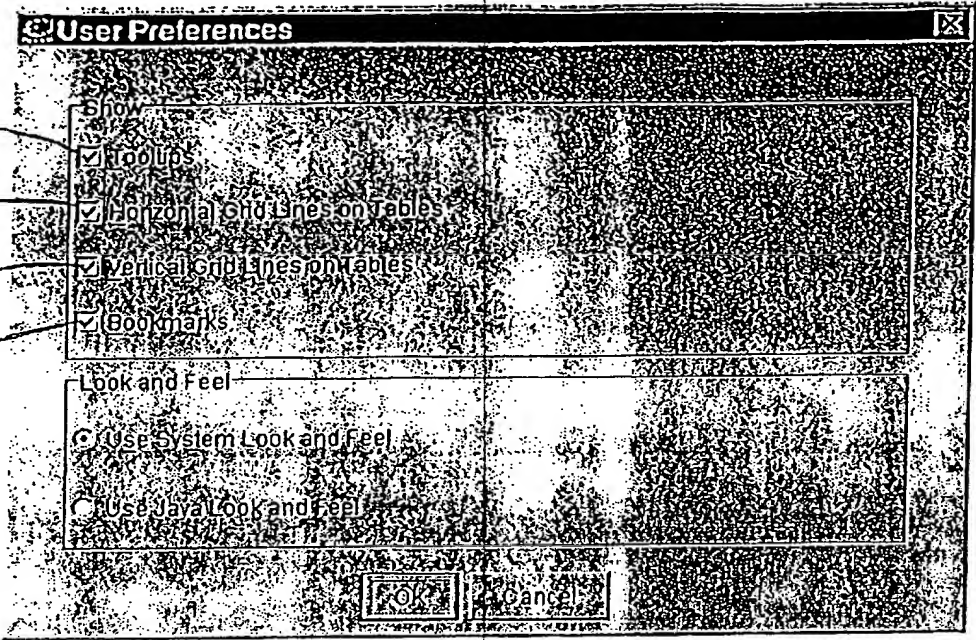


Fig. 11g

Equipe Communications

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Retry	Timeout	Add	Delete
192.168.9.202	public	equipe	3	5		
Group List						
19	Walmart-East			▲		
19	Walmart-West					
	Kmart 1					
	seas-northeast			▼		

908g

1000a

1000

Fig. 11h

Fig. 11i

1002

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

SONET Path Configuration

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Mode: ATM

Path Length: 11 / 8 / 5

Path Description: Path1_11/8/5

1002a

1002b

1002c

1002d

1002e

1002f

1002g

1002h

1002i

1002j

1002k

1002l

1002m

1002n

1002o

1002p

1002q

1002r

1002s

1002t

1002u

1002v

1002w

1002x

1002y

1002z

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

SONET Path Configuration

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Mode: ATM

Path Length: 11 / 8 / 5

Path Description: Path1_11/8/5

1002a

1002b

1002c

1002d

1002e

1002f

1002g

1002h

1002i

1002j

1002k

1002l

1002m

1002n

1002o

1002p

1002q

1002r

1002s

1002t

1002u

1002v

1002w

1002x

1002y

1002z

Fig. 11j

Fig. 11K

EvailNet Manager: SONET Path Configuration - 11/8/5

SONET Path Configuration

Path Name: STS-3c

Path Type: STS-3c

Path Length: 1

Path Status: On

Path Description: STS-3c

Path Parameters:

Path Name	Path Type	Path Length	Path Status	Path Description
11/8/5 Path1_11/8/5	1	STS-3c	Termi...	ATM
11/8/5 Path2_11/8/5	4	STS-3c	Termi...	ATM
11/8/5 Path3_11/8/5	7		Termi...	ATM

1002a

1002b

1002c

Add V-ATM Interface - 192.168.9.201

Virtual ATM Interface Parameters

Name: 192.168.9.201

Connection Type: Direct Link

UNI Network: UNI Network 3.1

Up/Down: Up

1004

1004b

1004a

Fig. 11n

Fig. 11L

Managed Resource Group Table

1008

1008a

1008b

1008c

1008d

LID	Managed Device PID	Group Name
1145	1	Walmart-East
⋮	⋮	⋮

Fig. 11M

Managed Resource Table

1007

1007a

1007b

1007c

LID	Resource LID	Manage Resource Group LID
4443	901	1145
⋮	⋮	⋮

← 1006

EvailNet Manager: 192.168.9.201 - Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

Source Point:

- 192.168.9.201
 - Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2
 - ATM-Path2_11/4/2

End Point:

- 192.168.9.201
 - Shelf 11
 - Shelf 13

Connection Parameters:

Connection Name:

Admin Status: Up ☐

Group Name: Group

End Point Parameters:

VP: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Description: ☒ Add Traffic Description

Receive Traffic Description: ☒ Add Traffic Description

☒ Use the same Traffic Description for both Transmit and Receive

End Point Parameters:

VP: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Description: ☒ Add Traffic Description

Receive Traffic Description: ☒ Add Traffic Description

☒ Use the same Traffic Description for both Transmit and Receive

1006a

1006b

1006c

Fig. 110

Fig. 11p

1010

User Table

LID	Username	Password	Group Level Access
			1010d
2012	Dave	Marble	Provisioner
⋮	⋮	⋮	1010e

Fig. 11q

1012

User Managed Device Table

LID	User LID	Host LID	Retry	Timeout
7892	2012	9046		
⋮	⋮	⋮	⋮	⋮

Fig. 11r

1014

Administration Managed Device Table

LID	Host Address	Port Address	Retry	Timeout	Admin. Password	Prov. Password	Viewer Password
9046	192.168.9.202	1521			team 1	team 2	team 3
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

Fig. 11s

1013

Add Delete Device Dlg

1013a Device Host: 192.168.1.202

1013b Device Port: 1521

1013c SNMP Retry:

1013d SNMP Timeout:

1013e Admin. Password:

1013f Prov. Password:

1013g Viewer Password:

1013h Add

1013i OK Cancel Delete

Fig. 11t

User Resource Group Map Table

1016b			1016
1016a	LID	User LID	
	8086	2012	
	⋮	⋮	
	User Resource Group LID		1016c
	1024		
	⋮		

Fig. 11u

User Resource Group Table

1018a	1018b	1018c	1018
LID	Host LID	Group Name	
1024	9046	Walmart-East	
⋮	⋮	⋮	

Fig. 11v

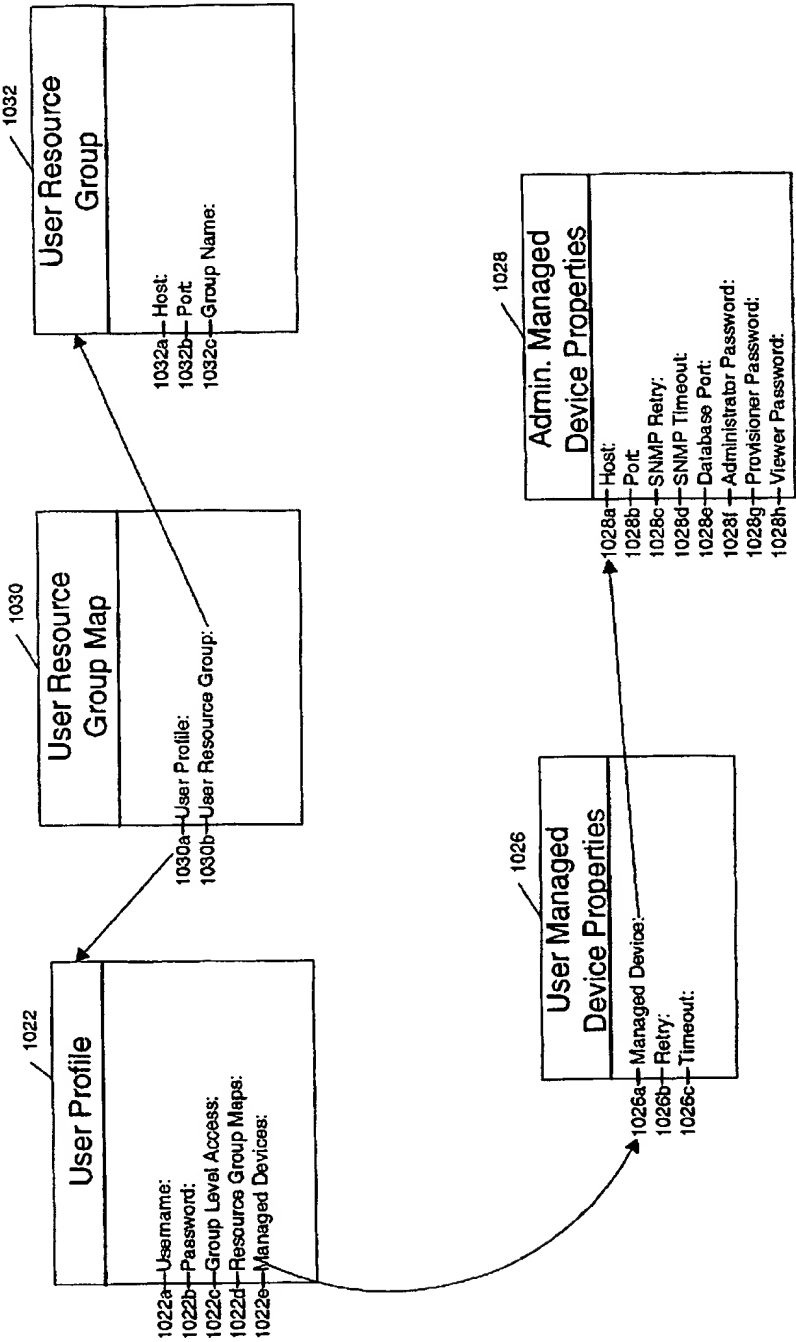


FIG. 11W is a block diagram of a Network Management System (NMS) architecture. The system includes an NMS Server (851a) and an NMS Client (850a). The NMS Server is connected to a User Profile LMO (1024) and a User Profile LMO (987a). The NMS Server is also connected to a Config. D.B. (42) and an NMS Database (61). The Config. D.B. contains tables: MR. Group Table (1008), M.R. Table (1007), SONET Path Table (600), V. Conn Table (994), Cross-Connect Table (986), V. Link Table (995), and VATM Table (993). The NMS Database contains tables: User Table (1010), User M.D. Table (1012), Admin. M.D. Table (1014), Class Table (1020), User R.G. Map Table (1016), and User R.G. Table (1018). The NMS Client is connected to GUI Tables (985) and NMS Client (850a). The NMS Client is also connected to the NMS Server (851a).

Fig. 11w

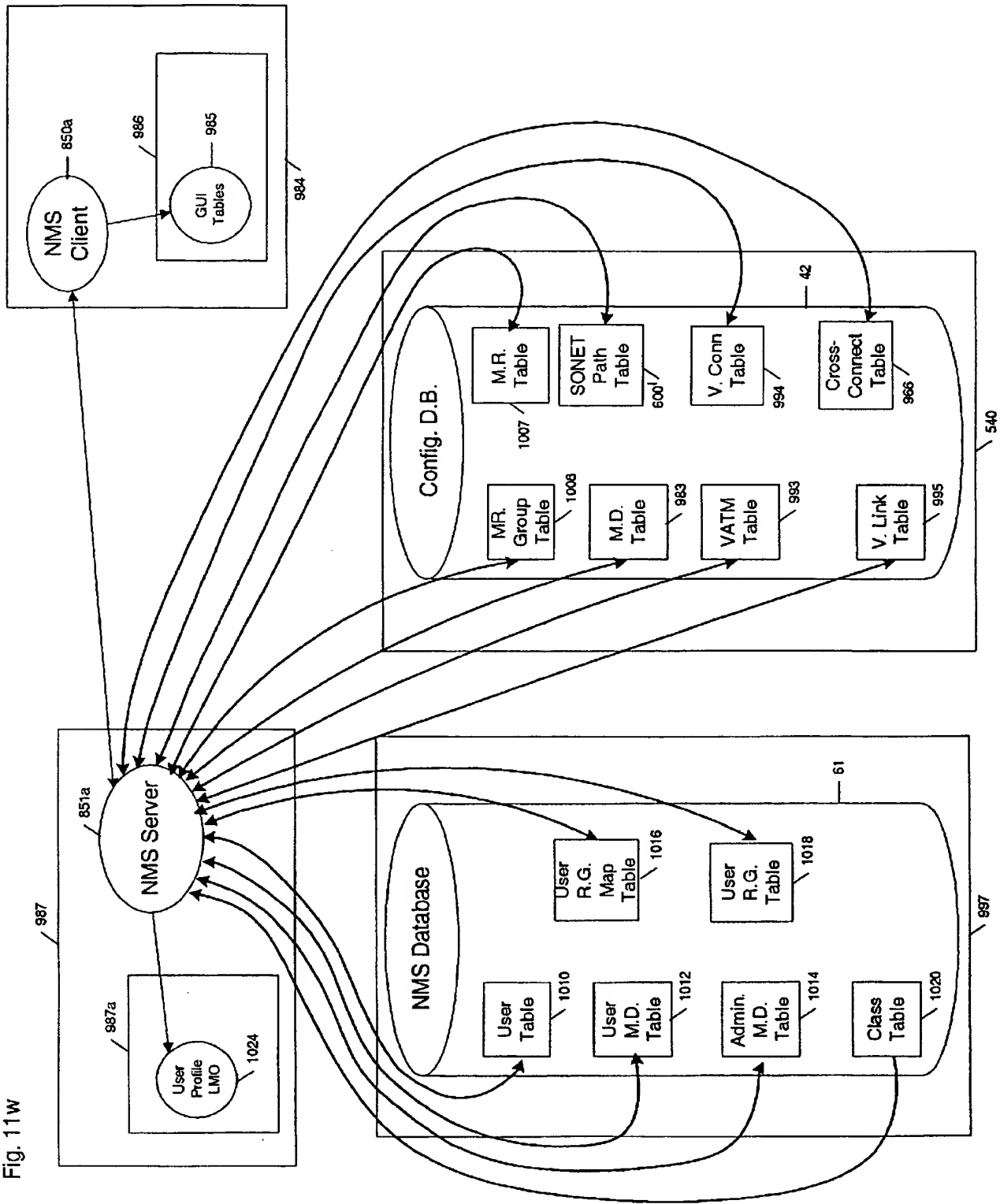


Fig. 11x

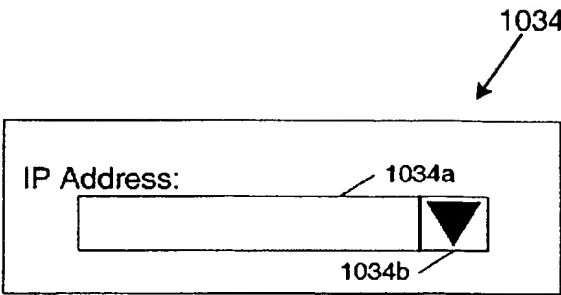
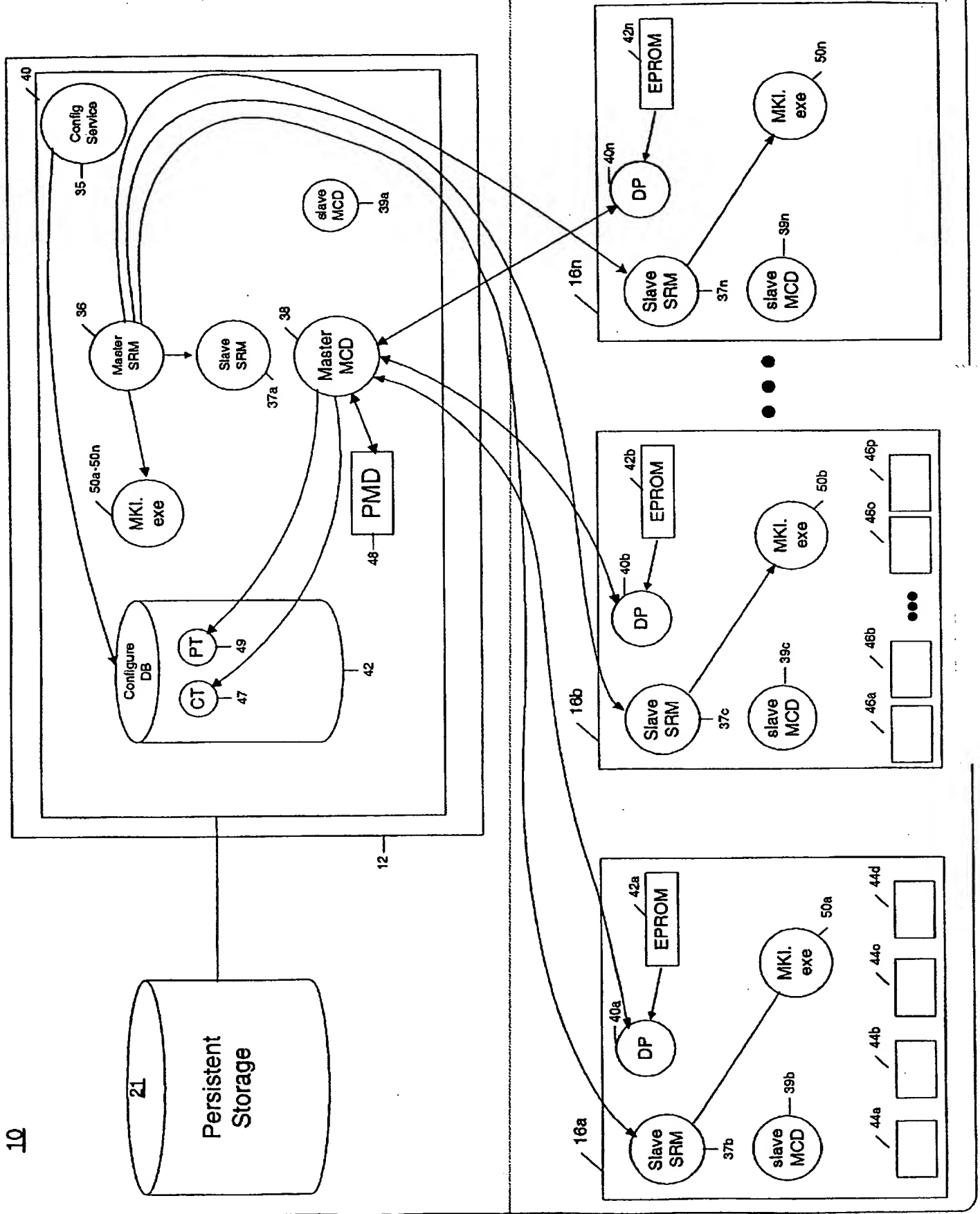


FIG. 12a



CARD TABLE

47

PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16 a — 500	0XF002	3	1	
16 b — 501	0XF002	4	2	
• •	• •	• •	• •	• •
16 e — 505	0X6002	1	5	
• •	• •	• •	• •	• •
16 n — 513	0XF002	1	12	
• •	• •	• •	• •	• •

FIG. 12b

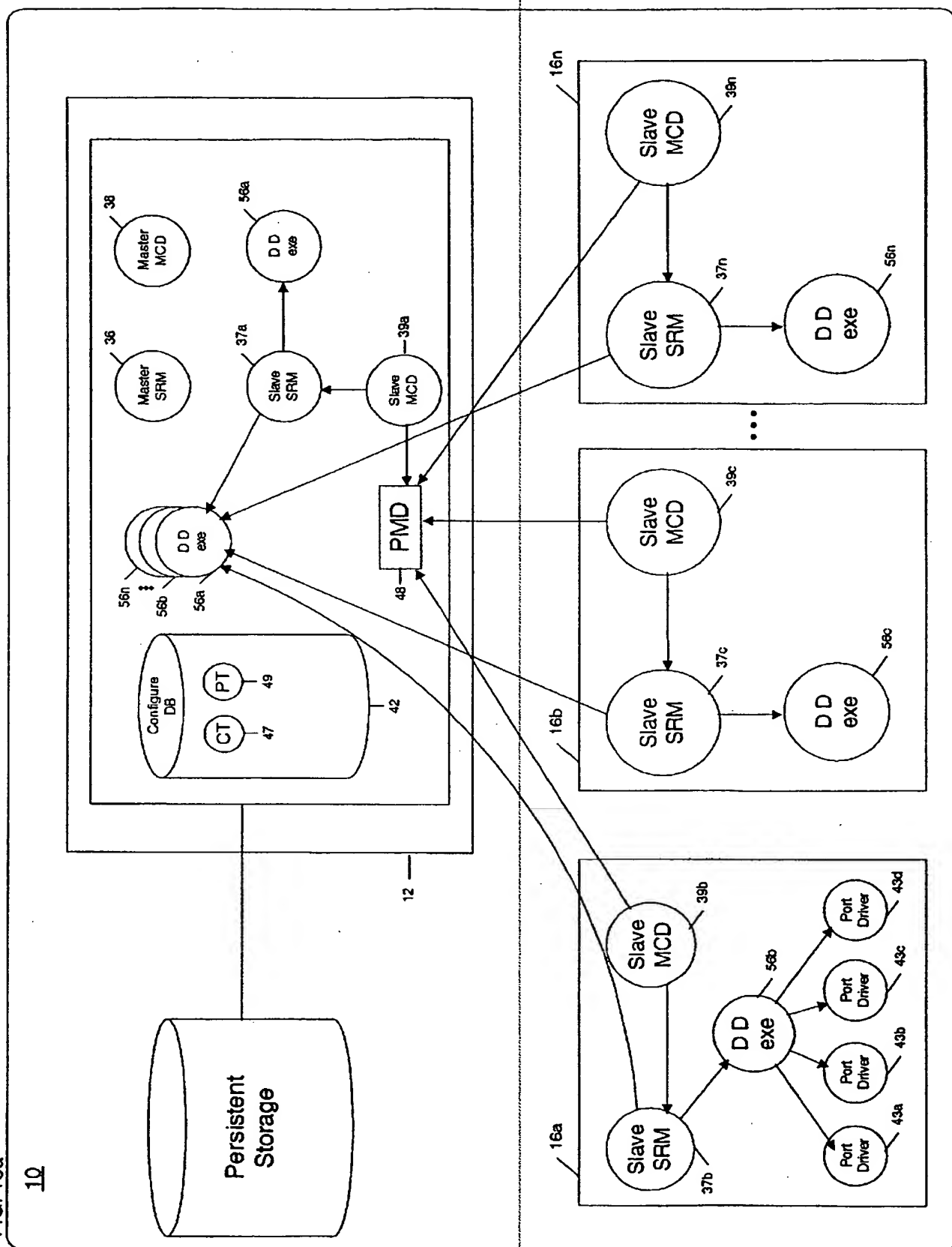
PORT TABLE

49

PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a — 1500	00620	1	1	
44b — 1501	00620	1	1	
44c — 1502	00620	1	1	
44d — 1503	00620	1	1	
44a — 1504	00820			
46a — :	:	:	:	:
	:	:	:	:
1600	00620	1	8	
:	:	:	:	:
:	:	:	:	:

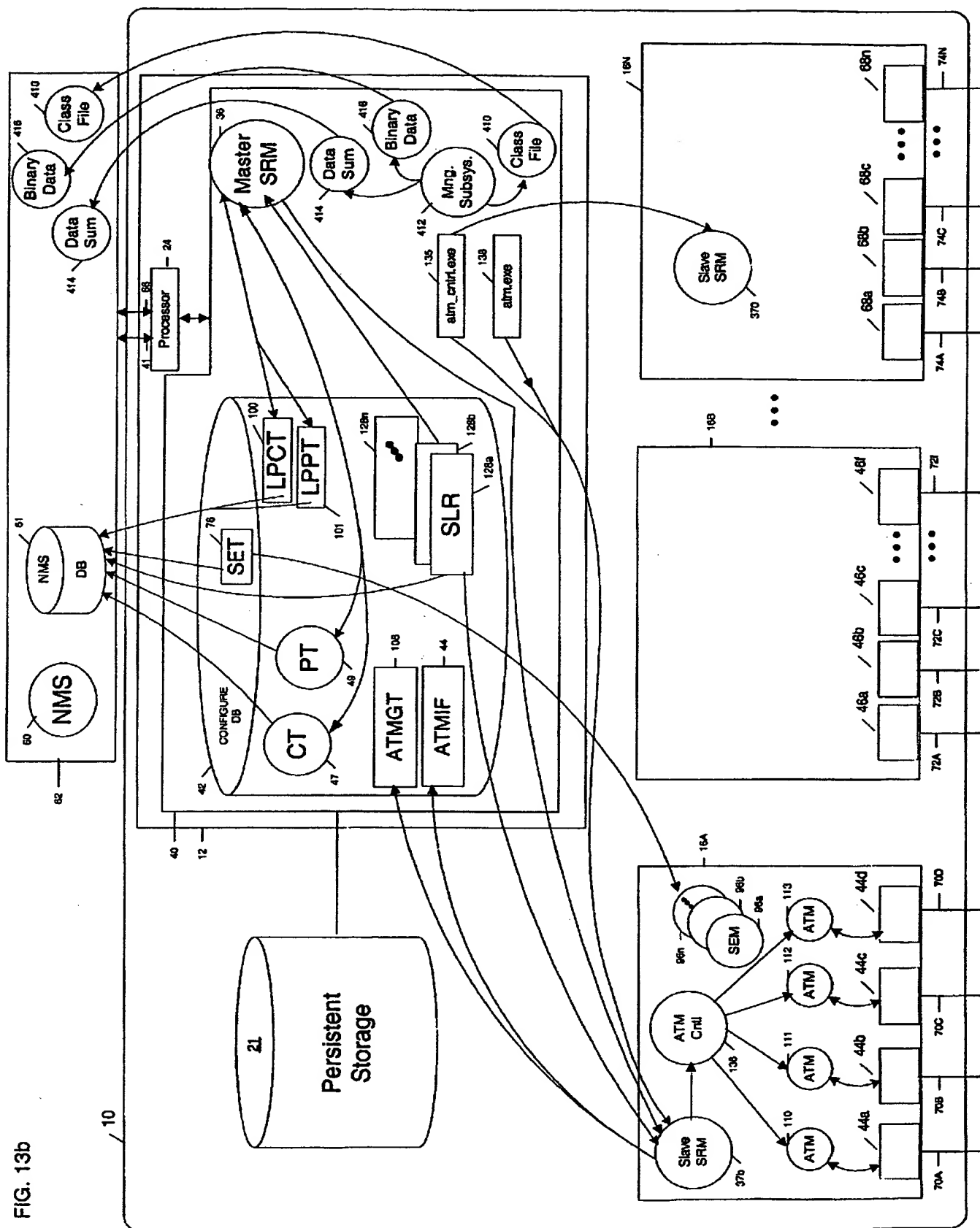
FIG. 12c

FIG. 13a



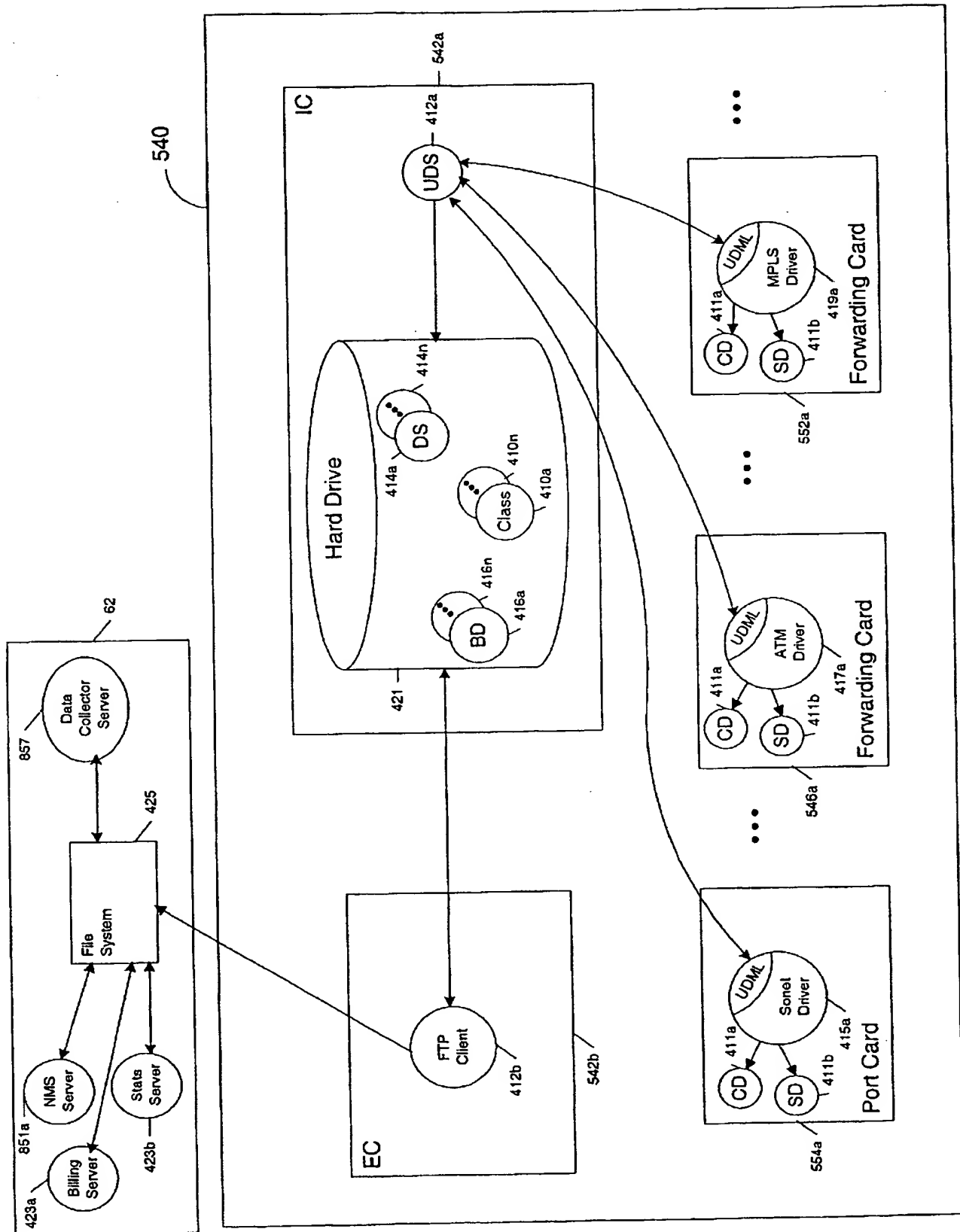
SCANNED. # 6

FIG. 13b



SCANNED, #_6

Fig. 13c



SCANNED, # 6

Fig. 13d

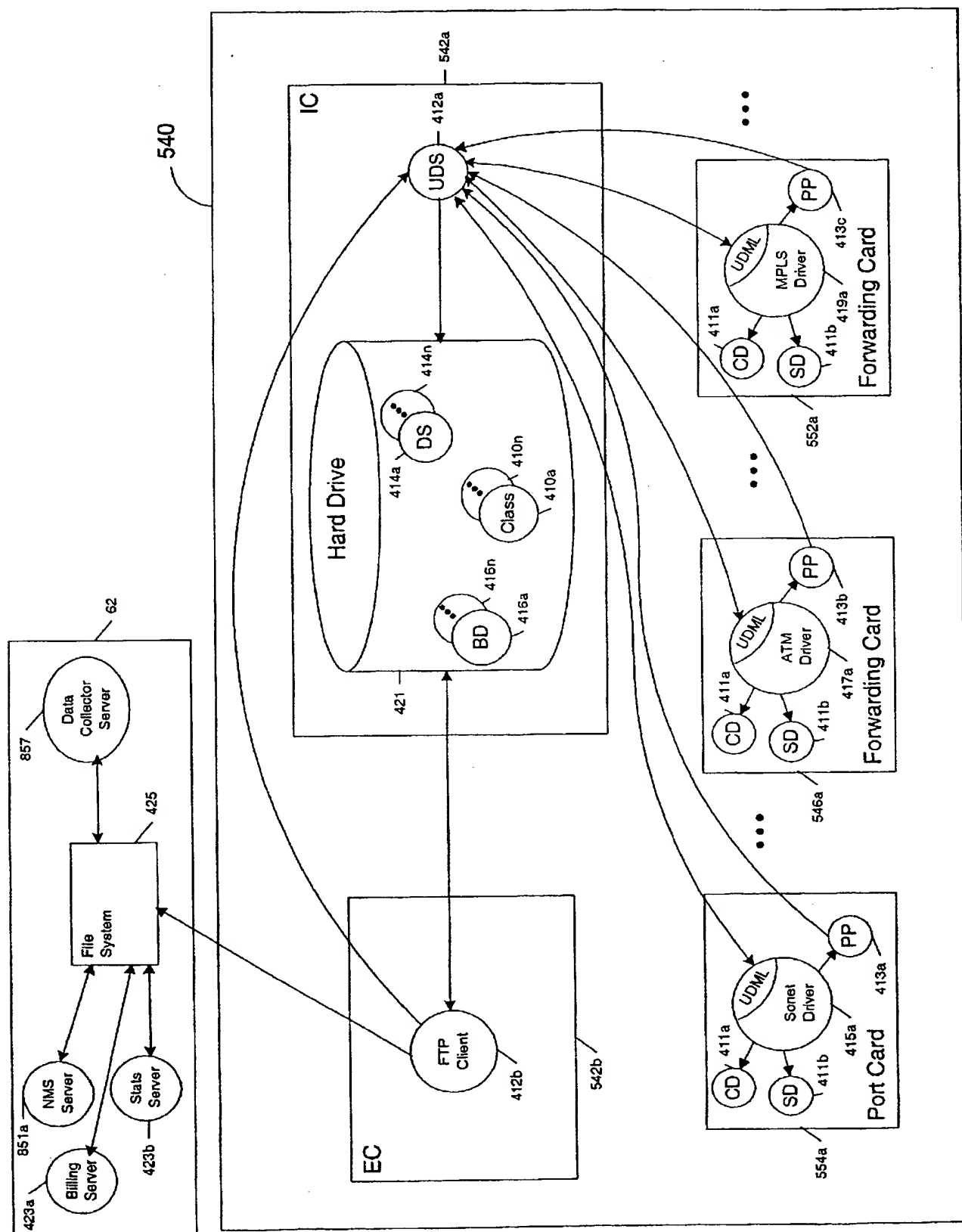


FIG. 14a

Service Endpoint Table 76

	Service Endpoint #	Port PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮

FIG. 14b

Logical to Physical Card Table 100

	98 LID	102 Primary PID	104 Back-up PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮

FIG. 14c

Logical to Physical Port Table 101

	98 LID	102 Primary PID	104 Back-up PID
107	40	1500	1600
	⋮	⋮	⋮

FIG. 14d

ATM Group Table 108

Group #	Card LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14e

ATM Interface Table 114

ATM IF	ATM Group	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14f

Software Load Record 128a

130	Control Shim	LID	132
134	atm-cntl.exe	30	

FIG. 15

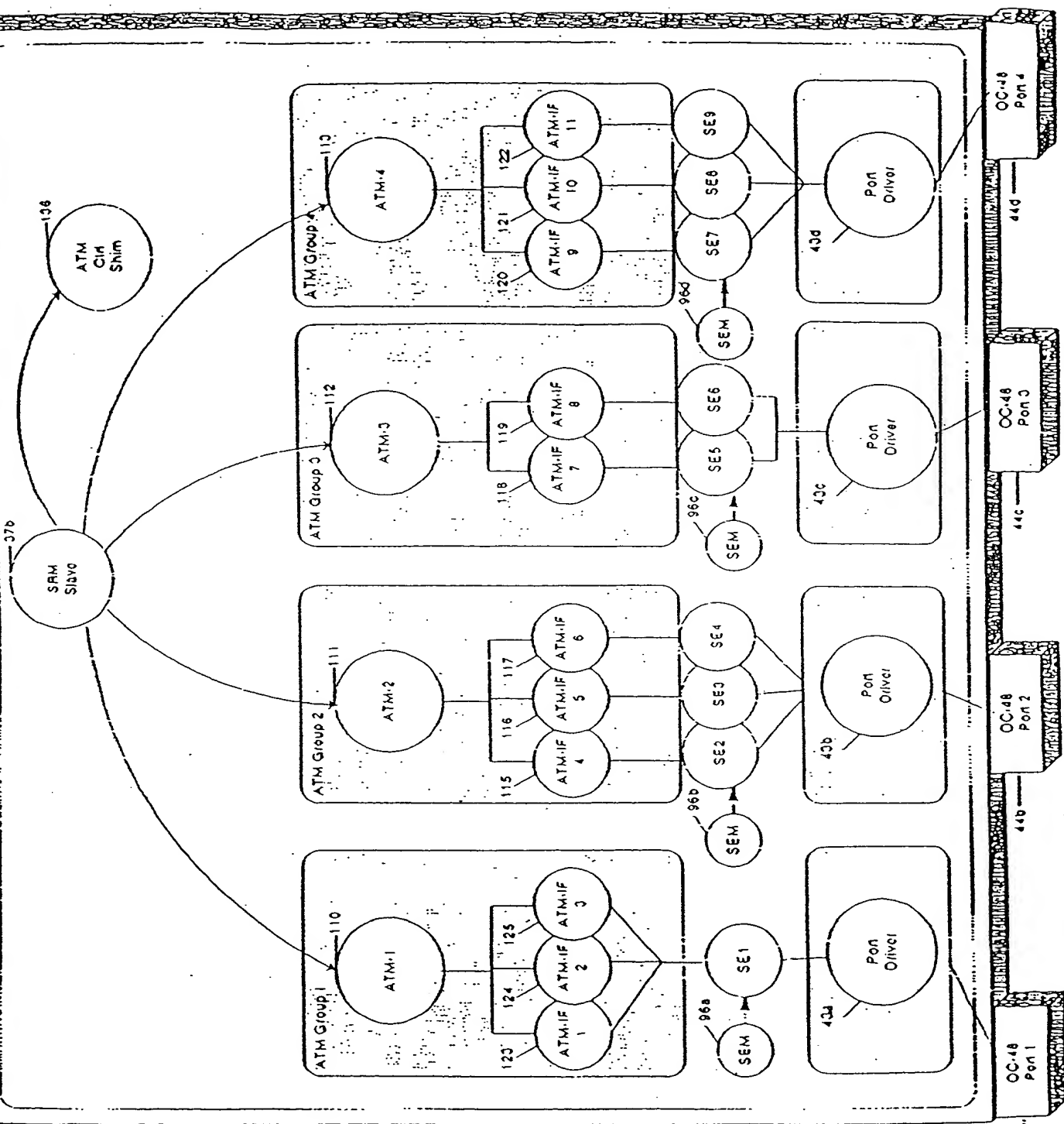


FIG. 16a

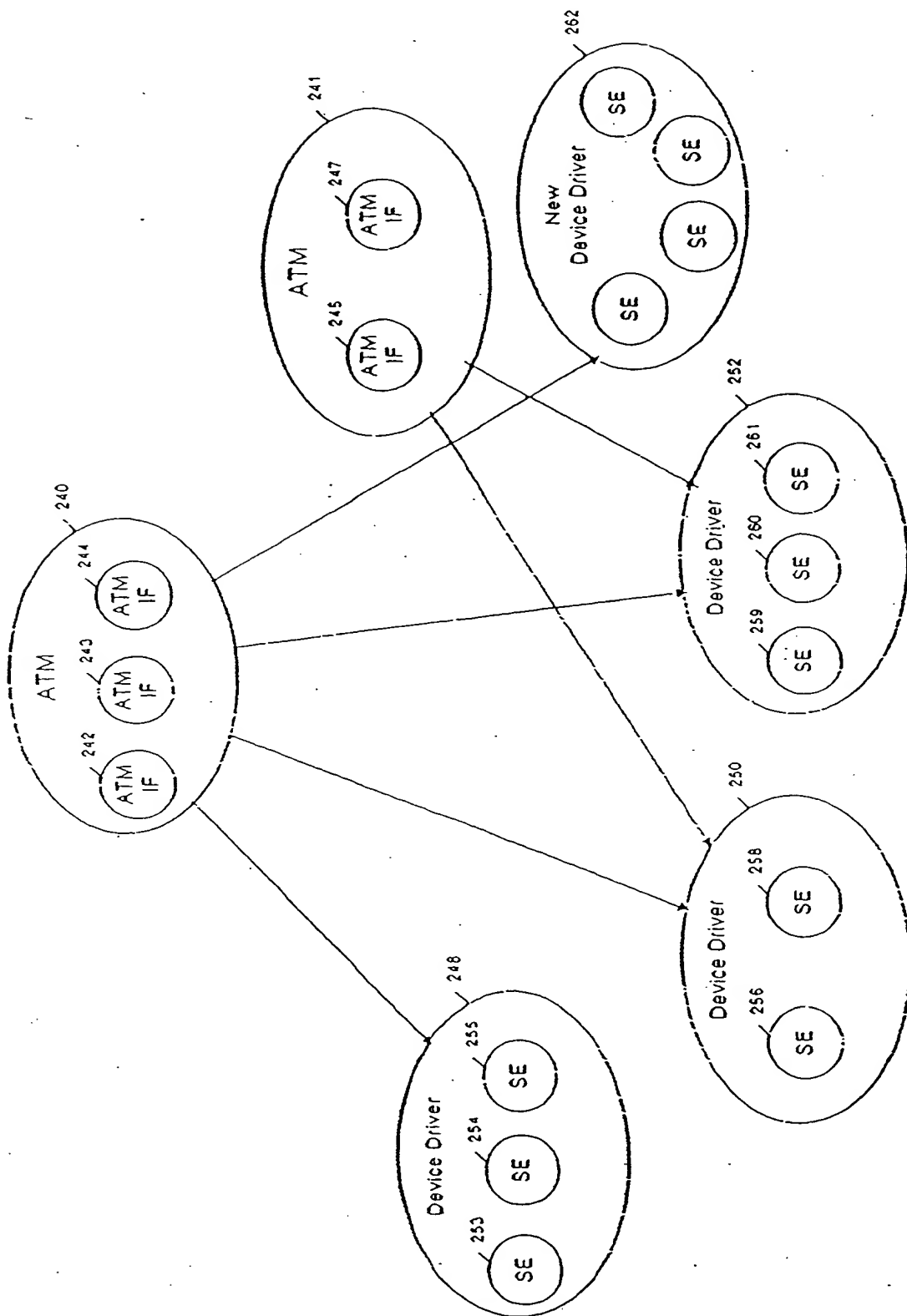


FIG. 16b

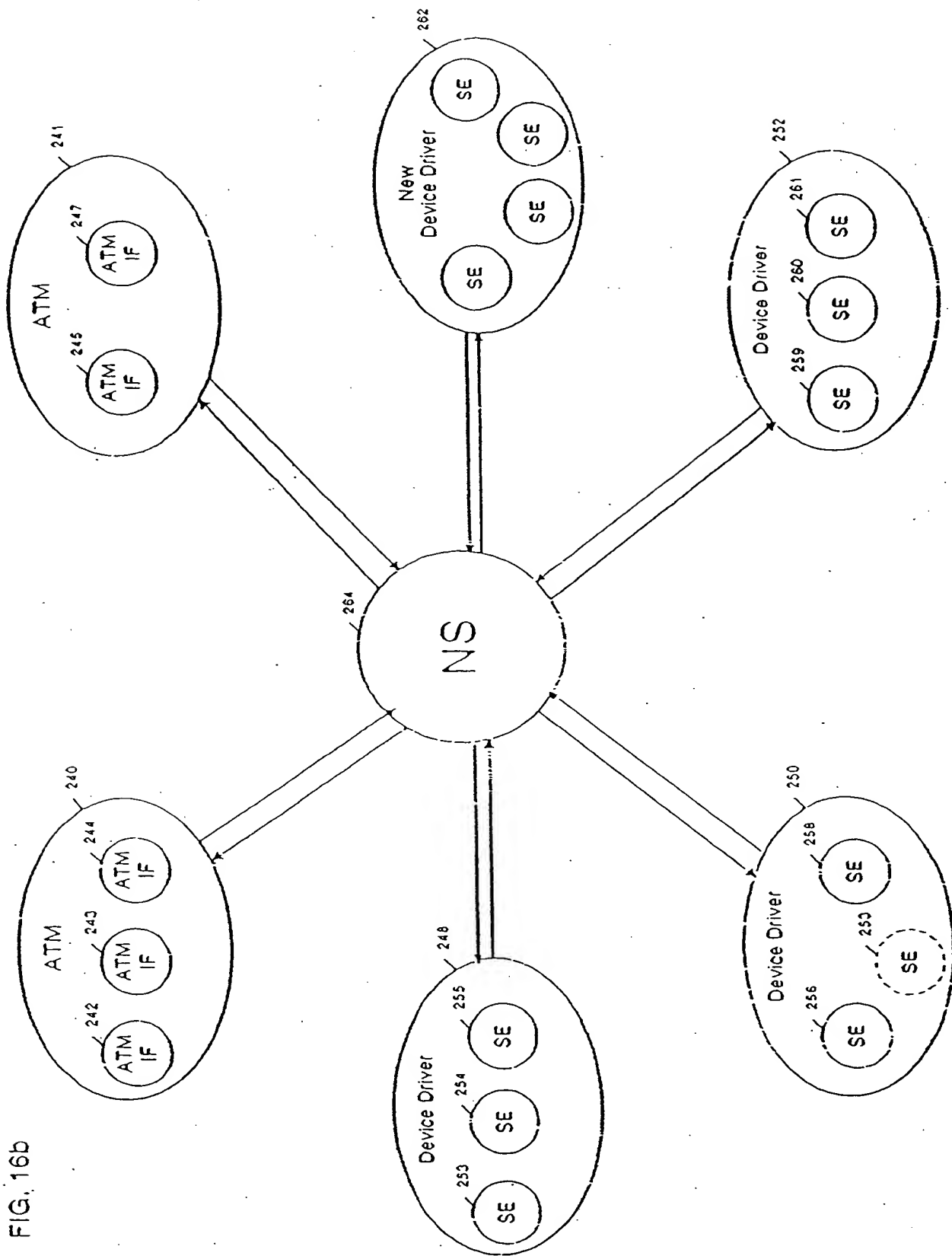


FIG. 16c

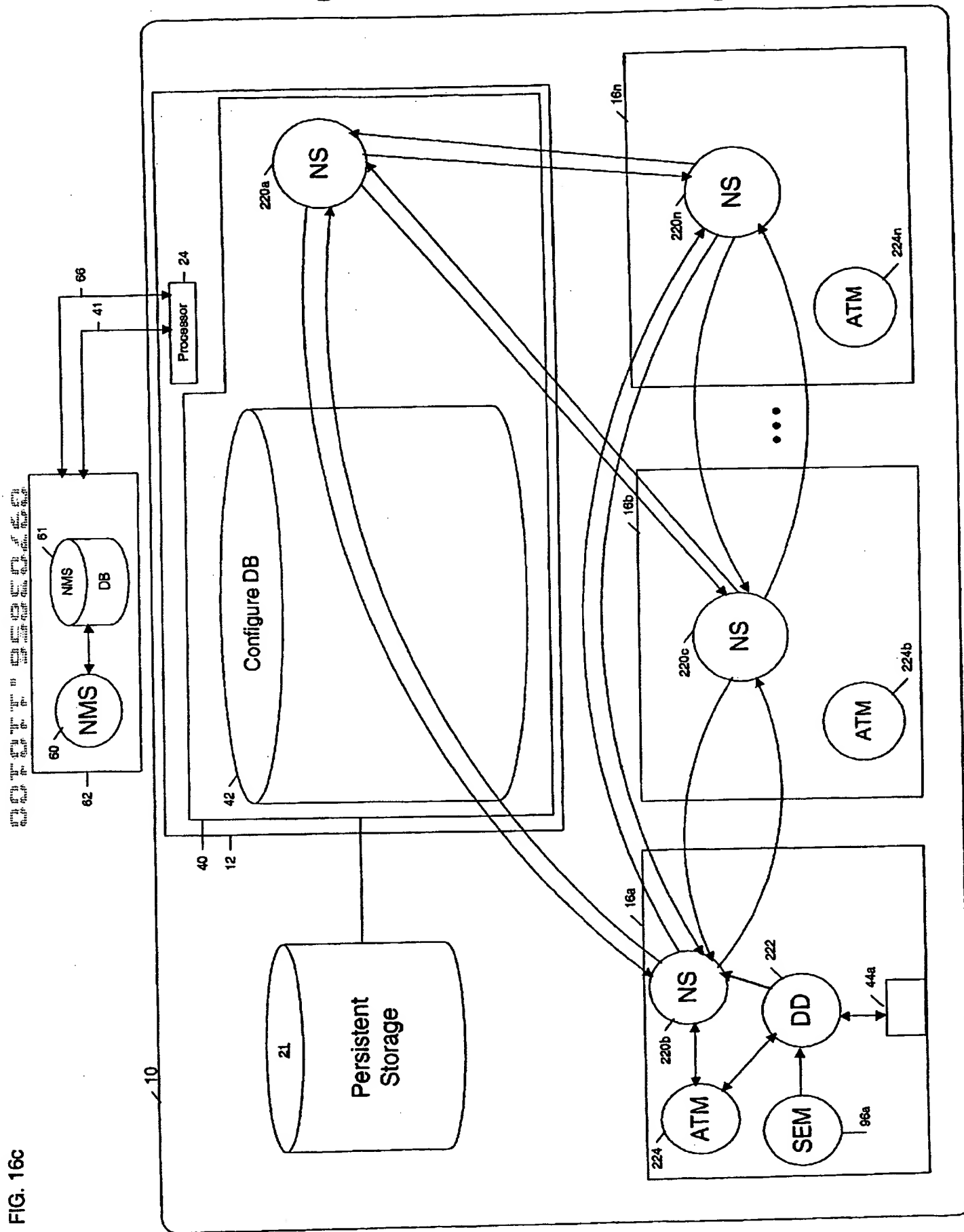


FIG. 16d

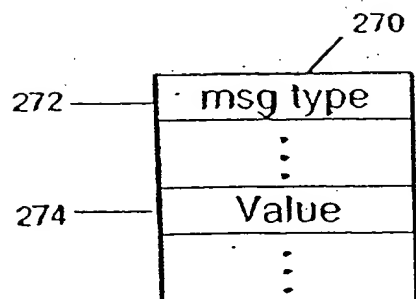


FIG. 17

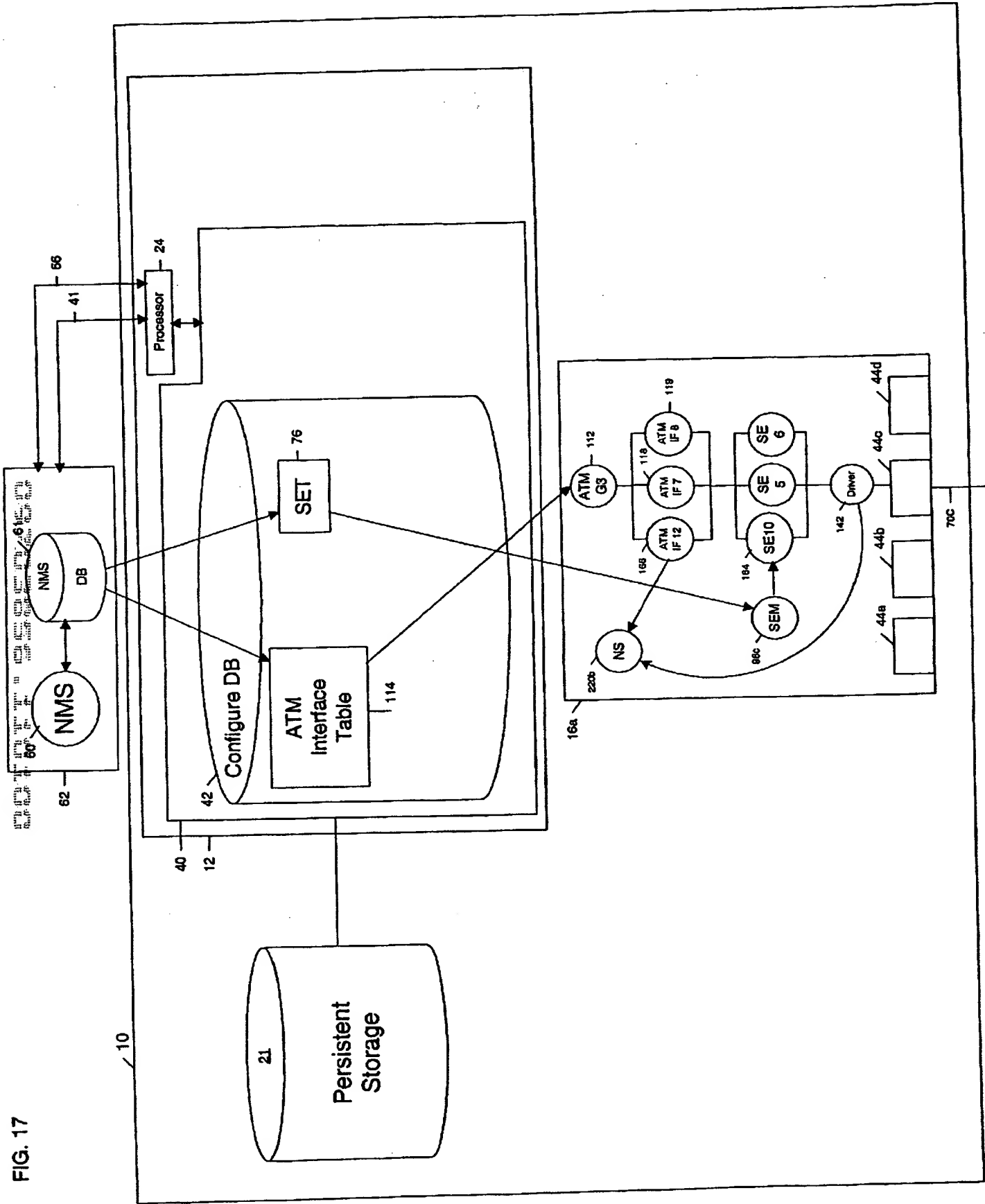


FIG. 18

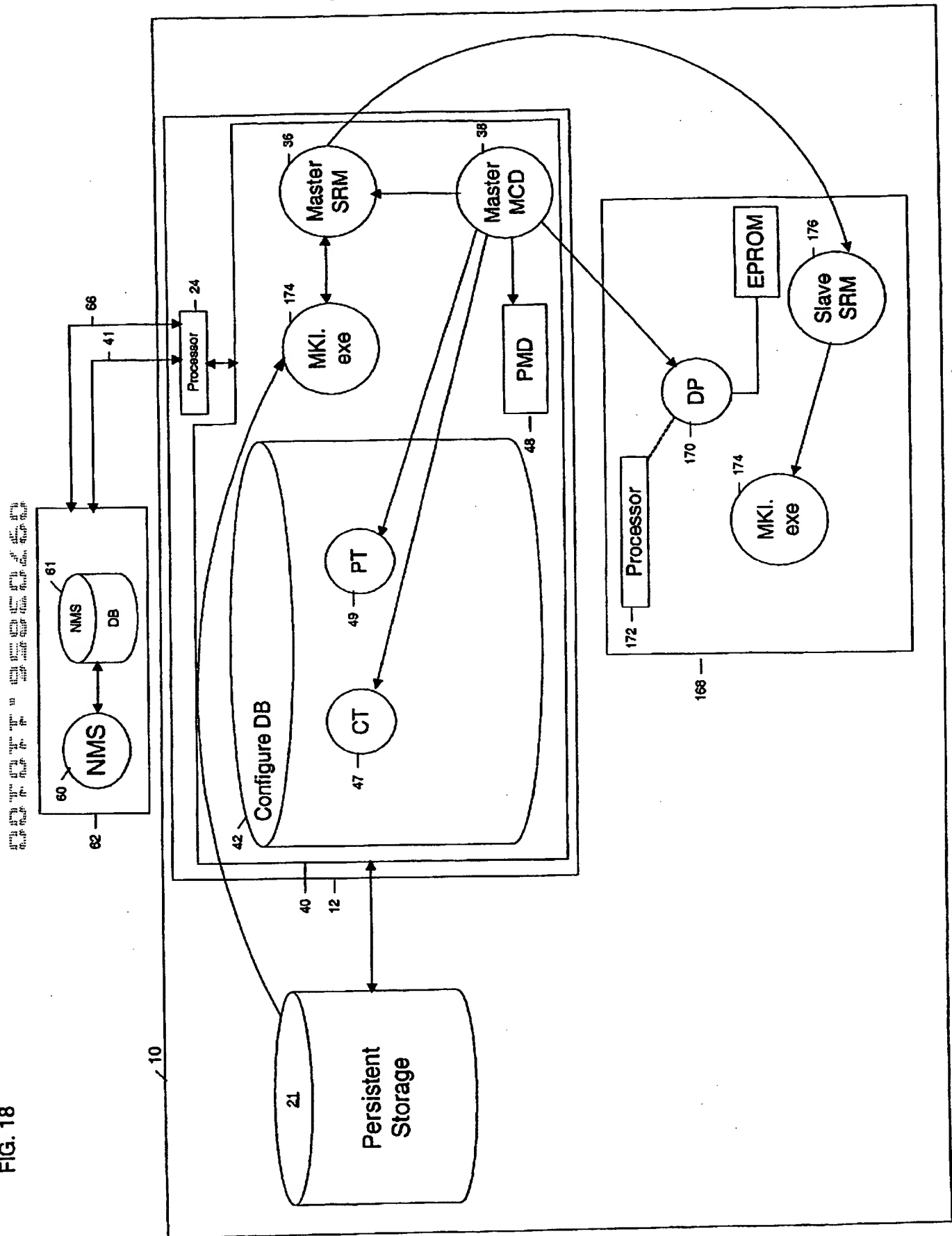


FIG. 19

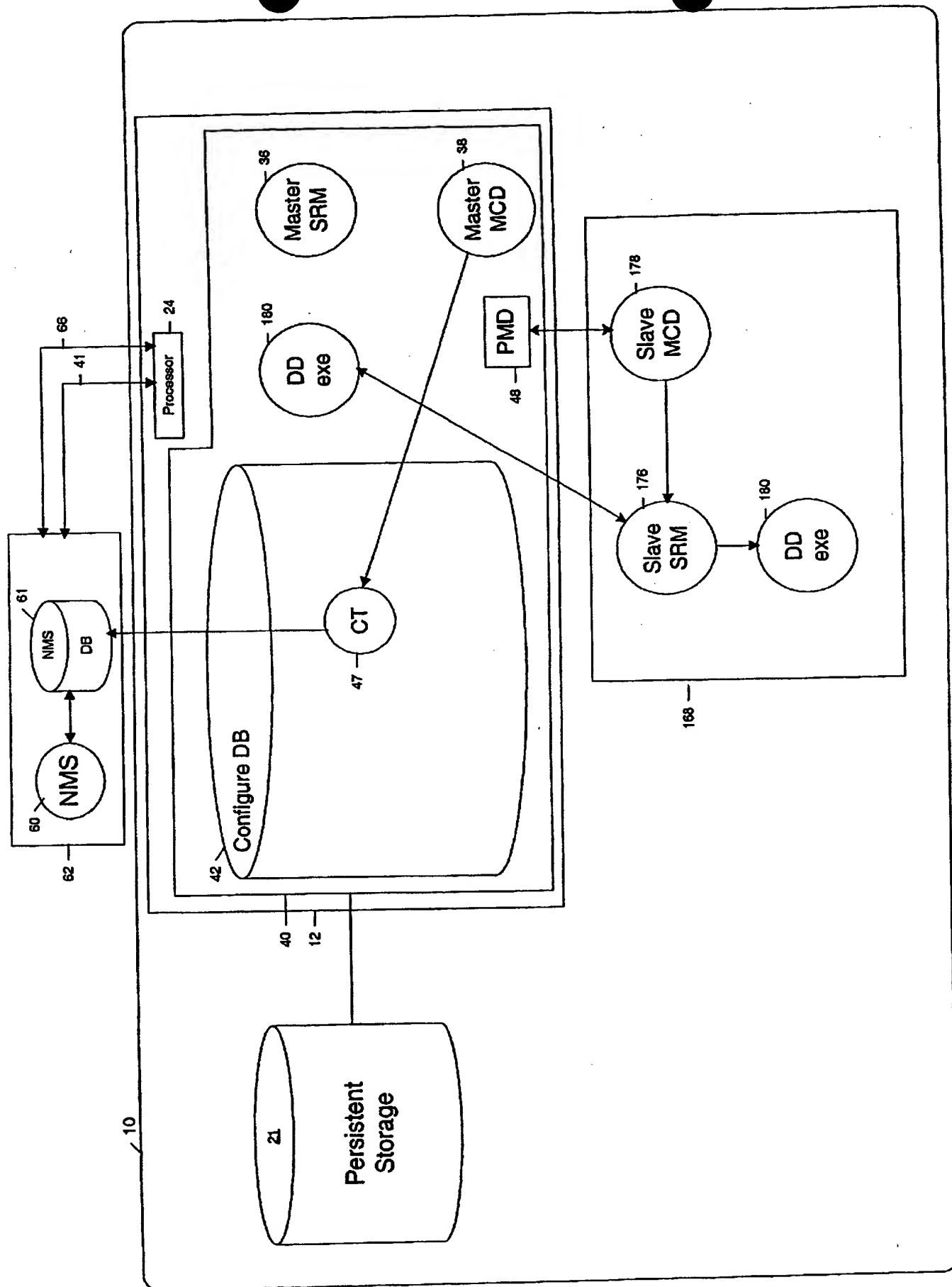


FIG. 20

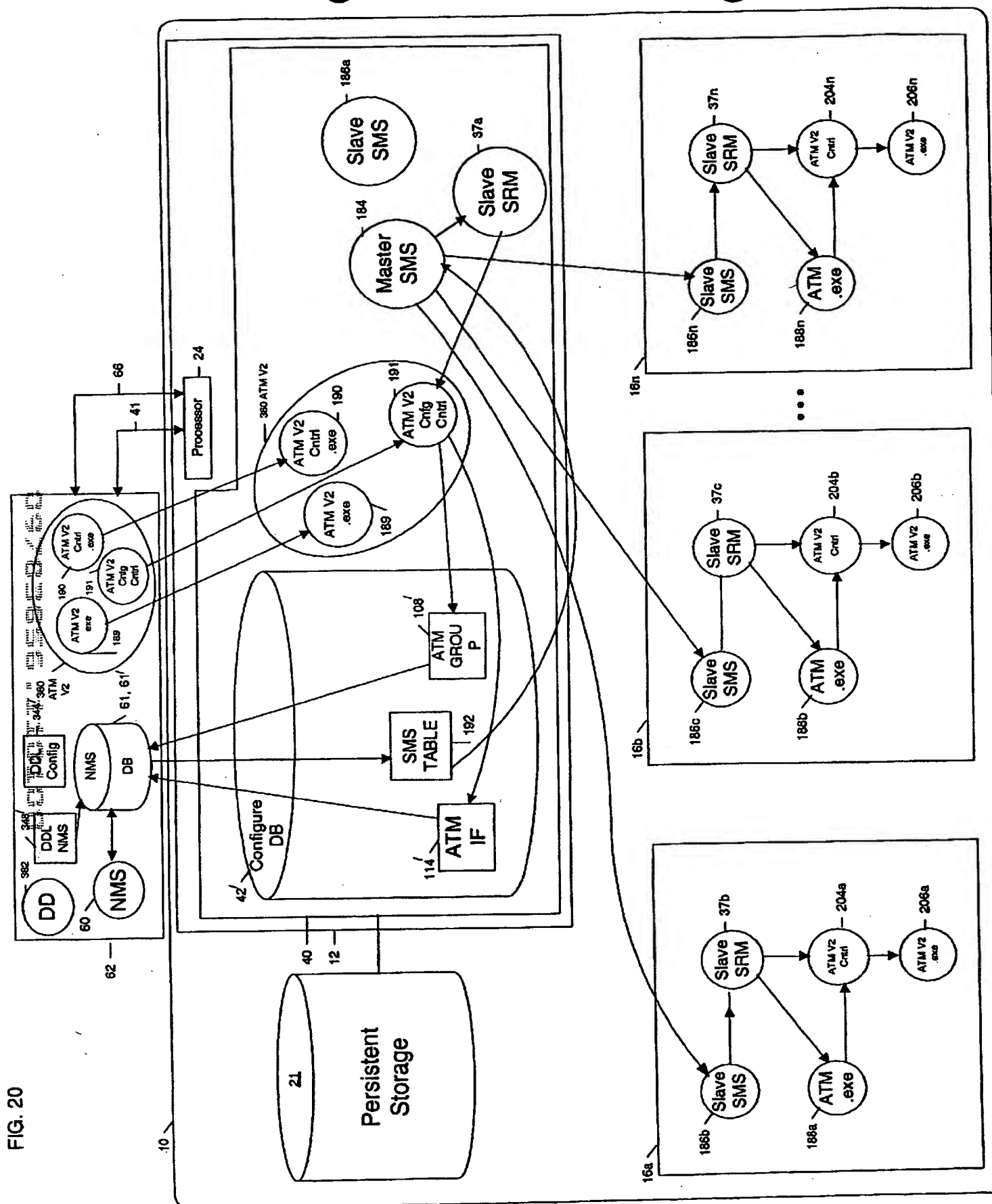


FIG. 21

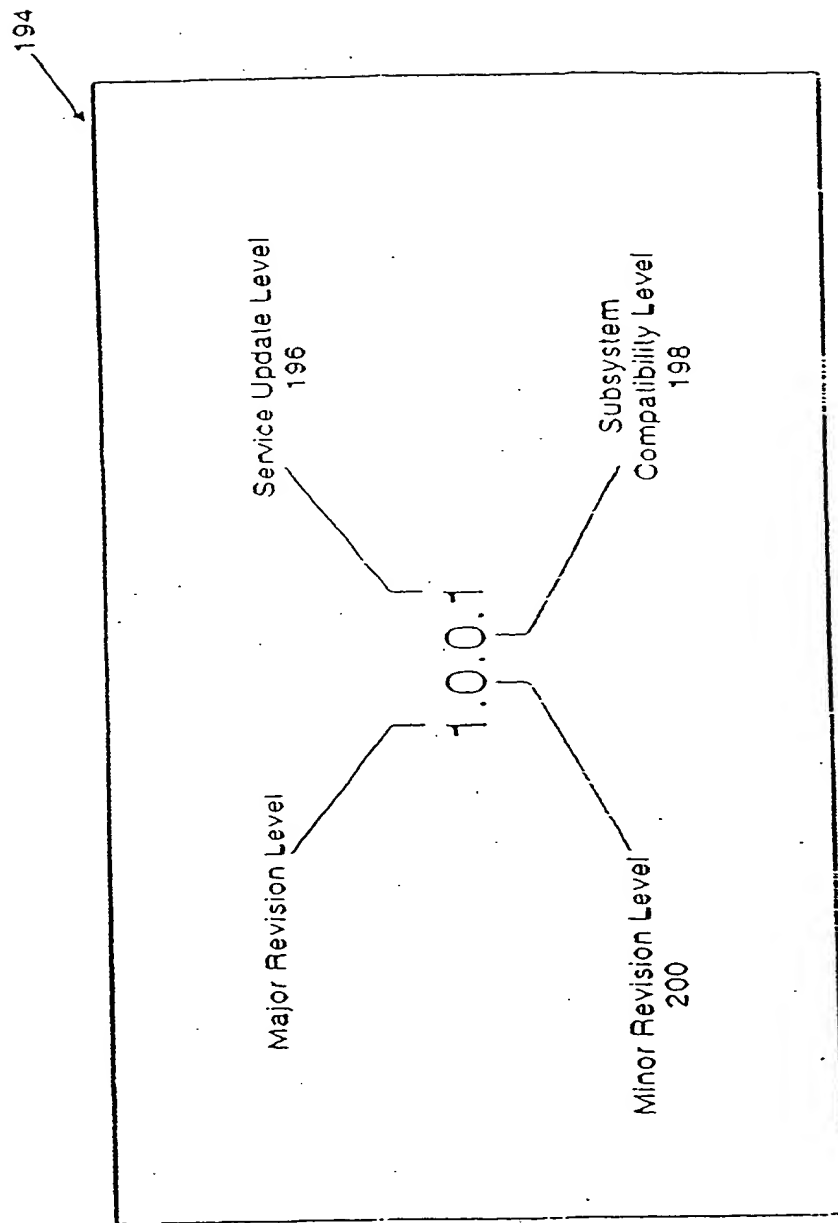


FIG. 22

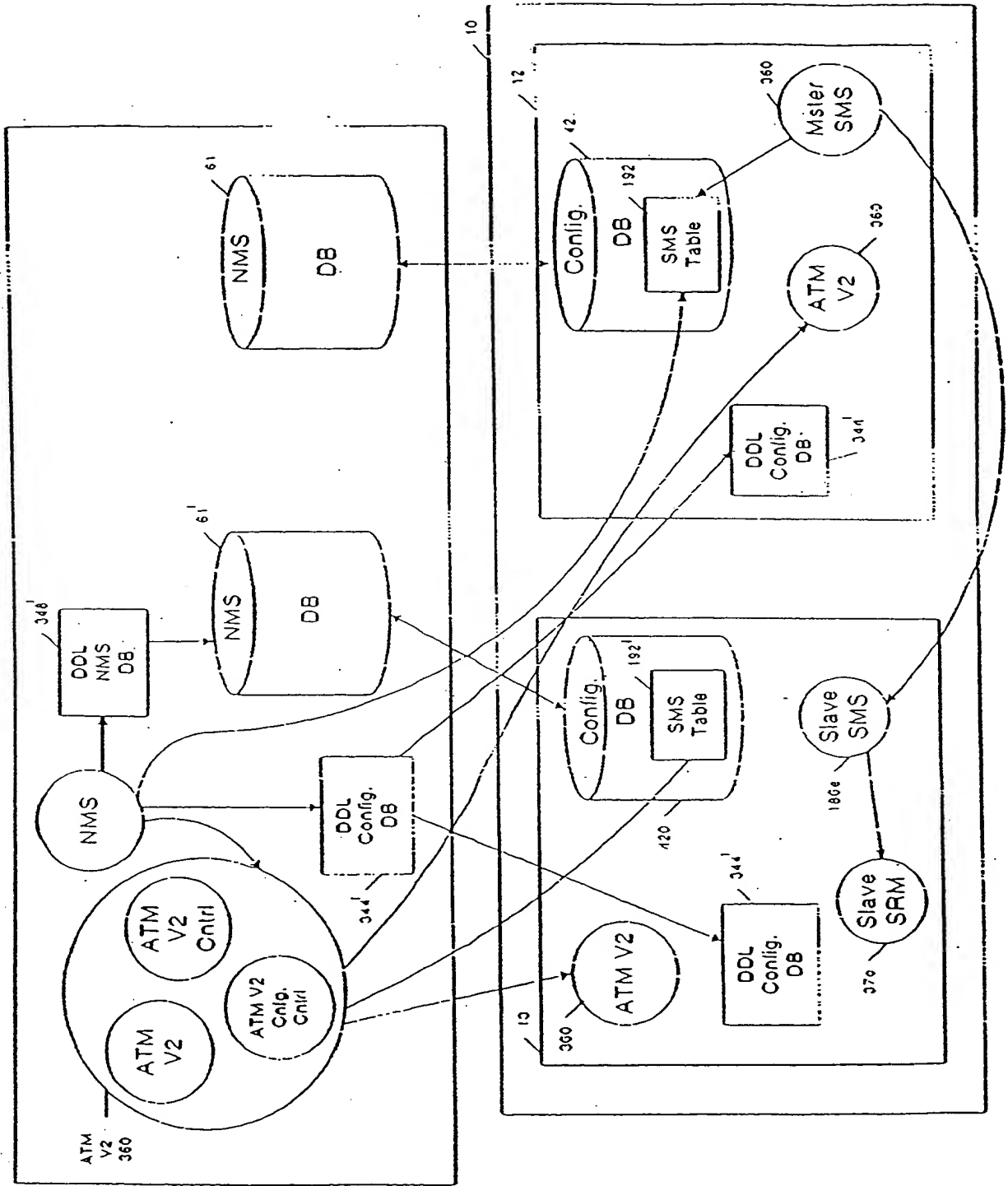


FIG. 23

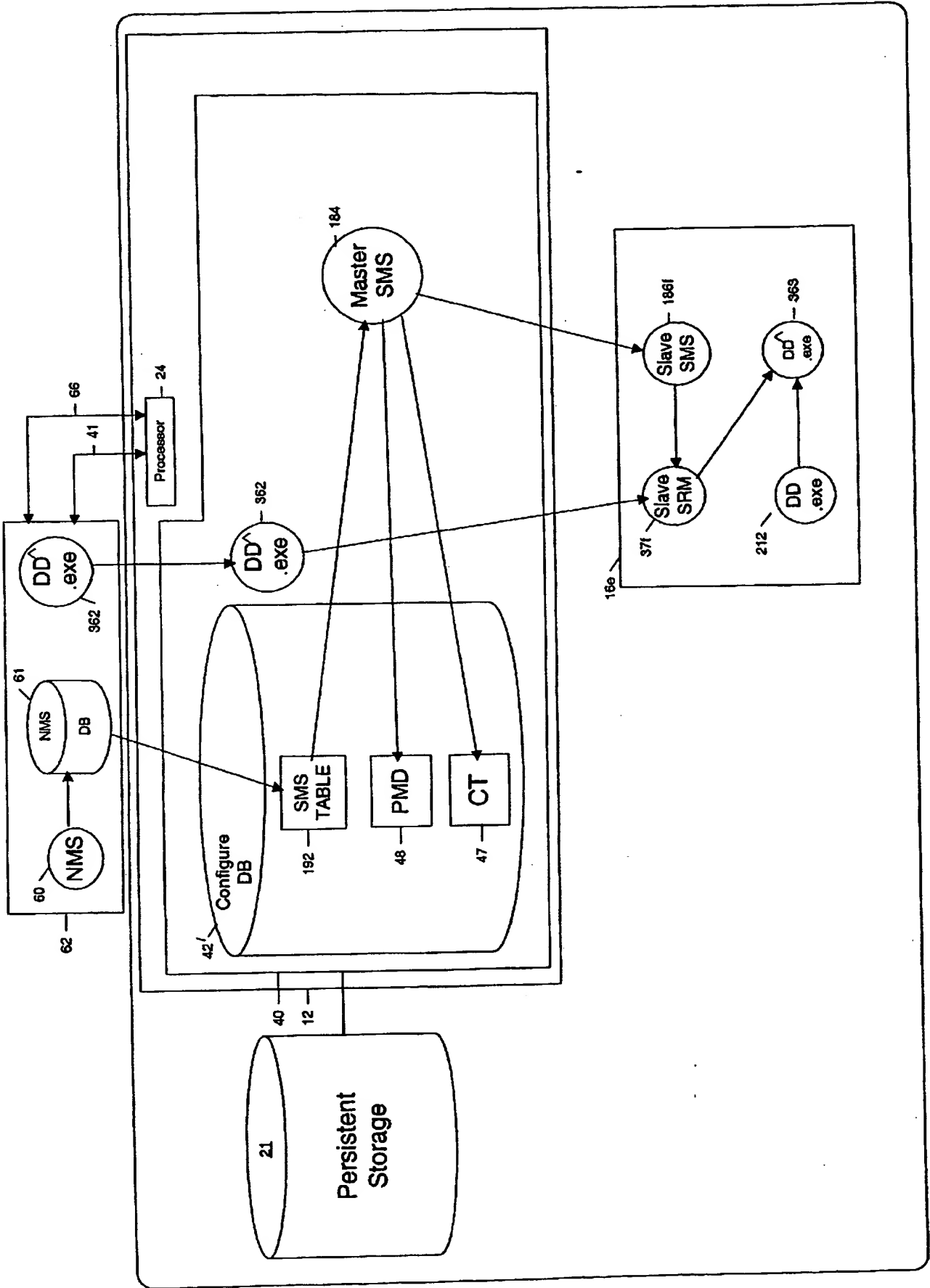


FIG. 24

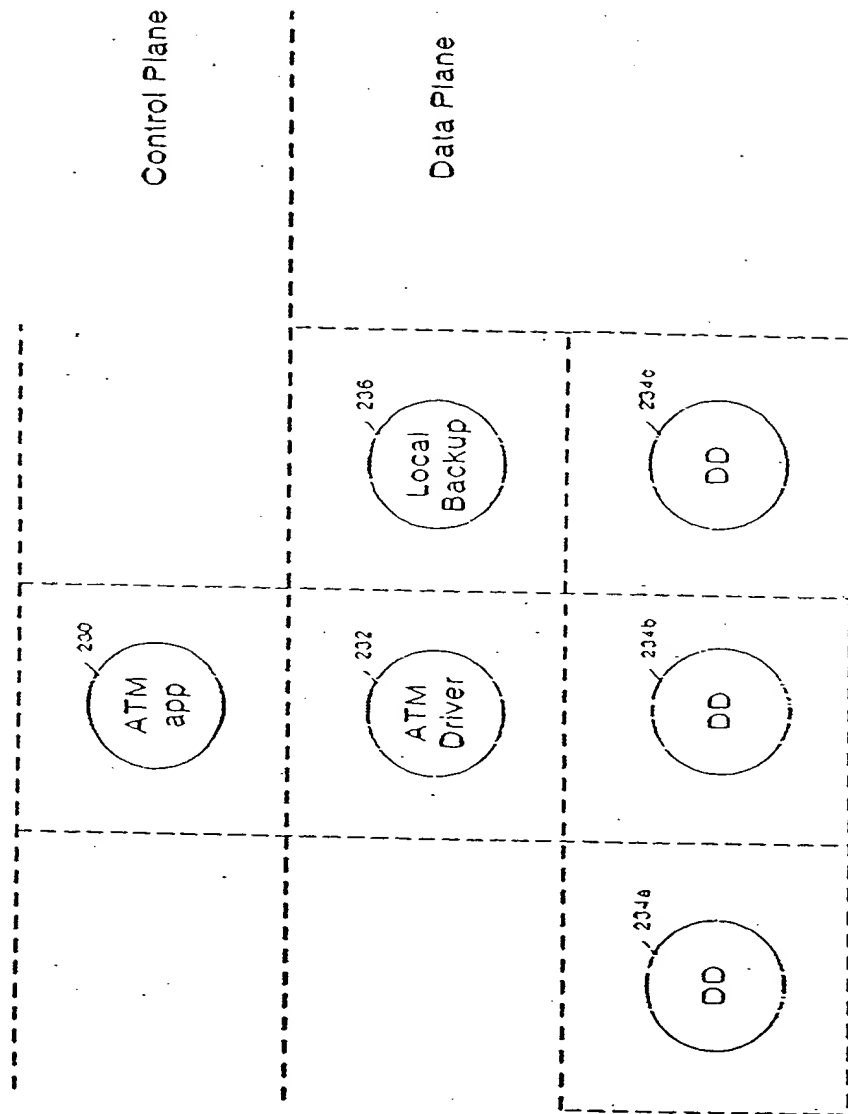


FIG. 25

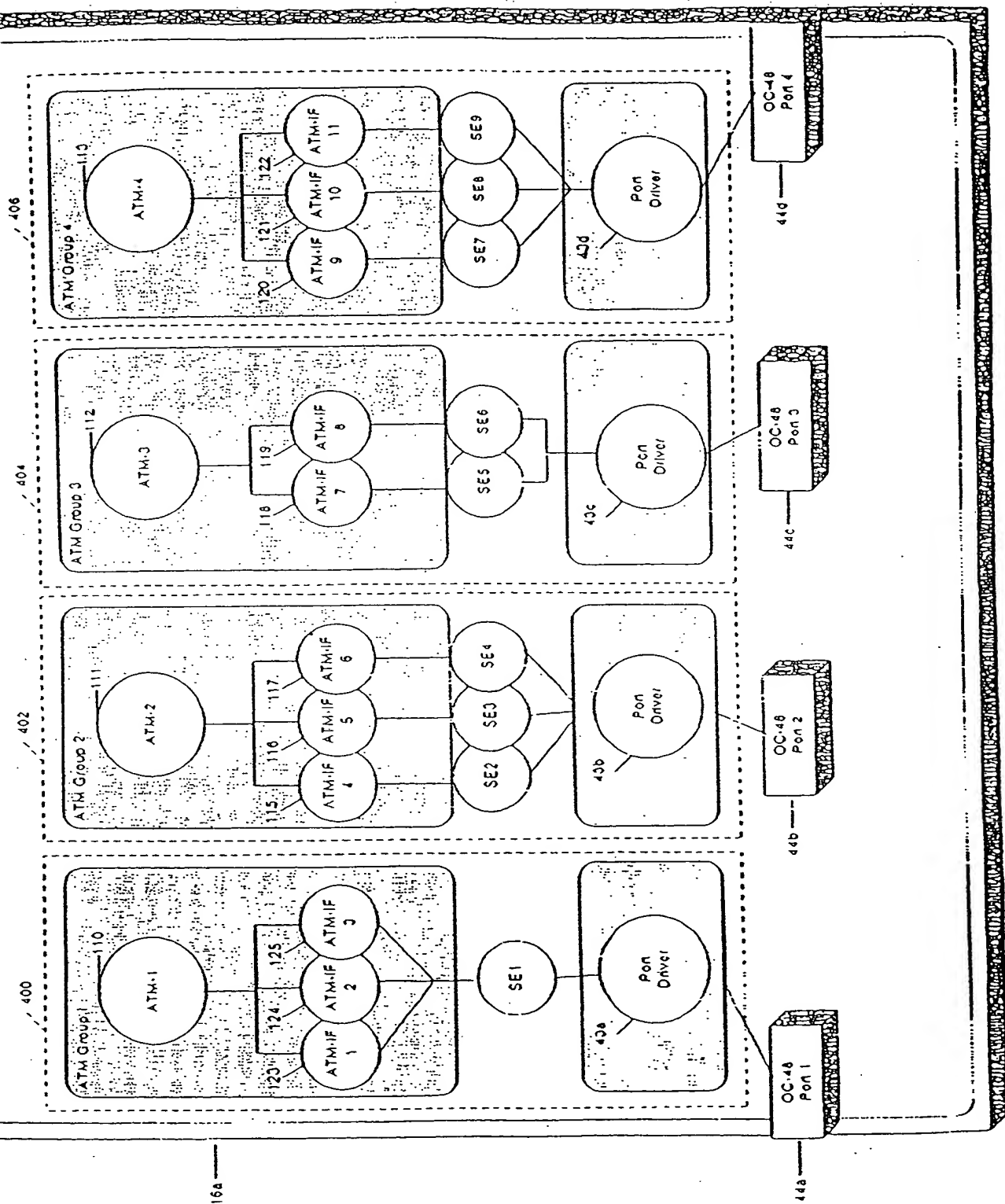
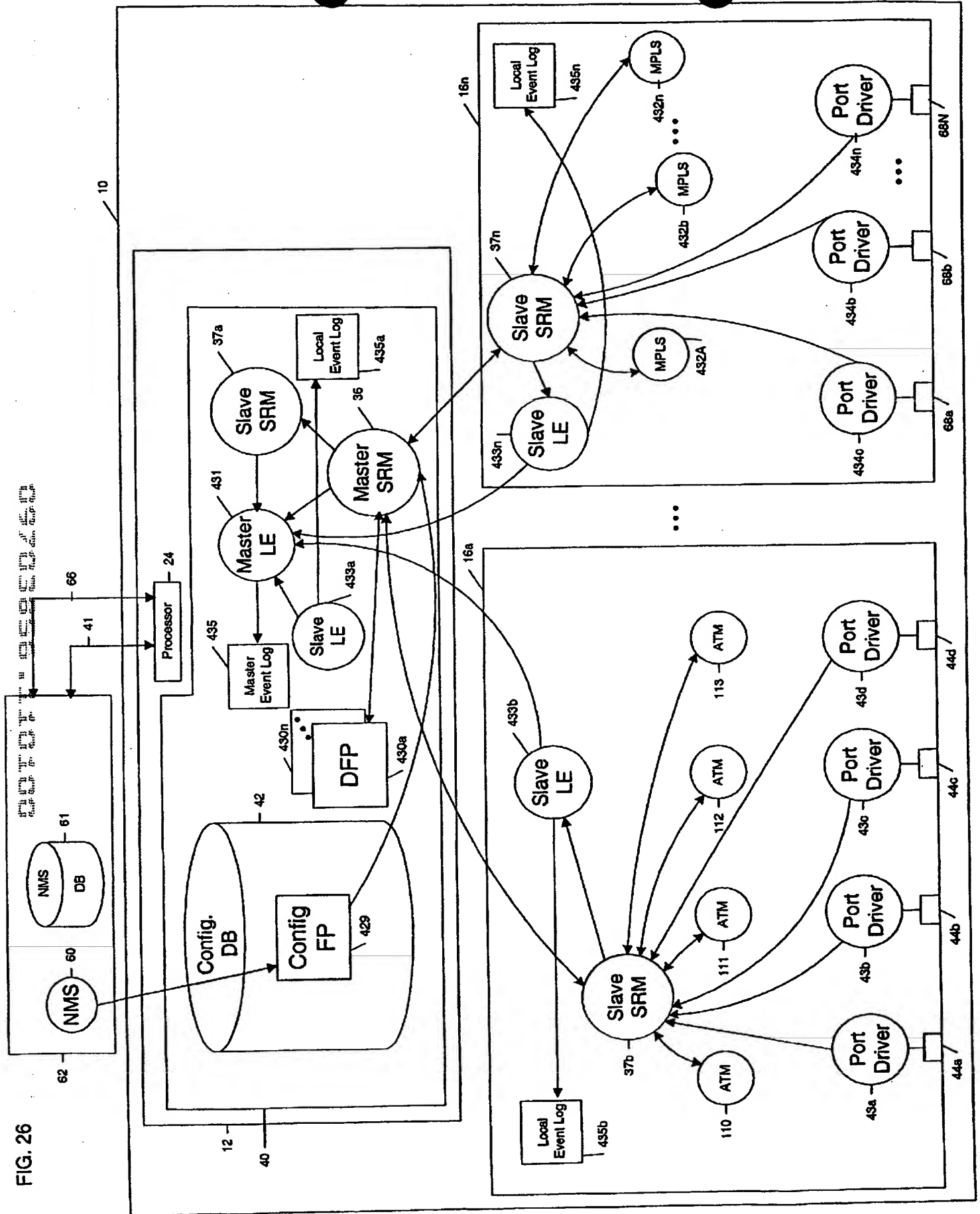


FIG. 26



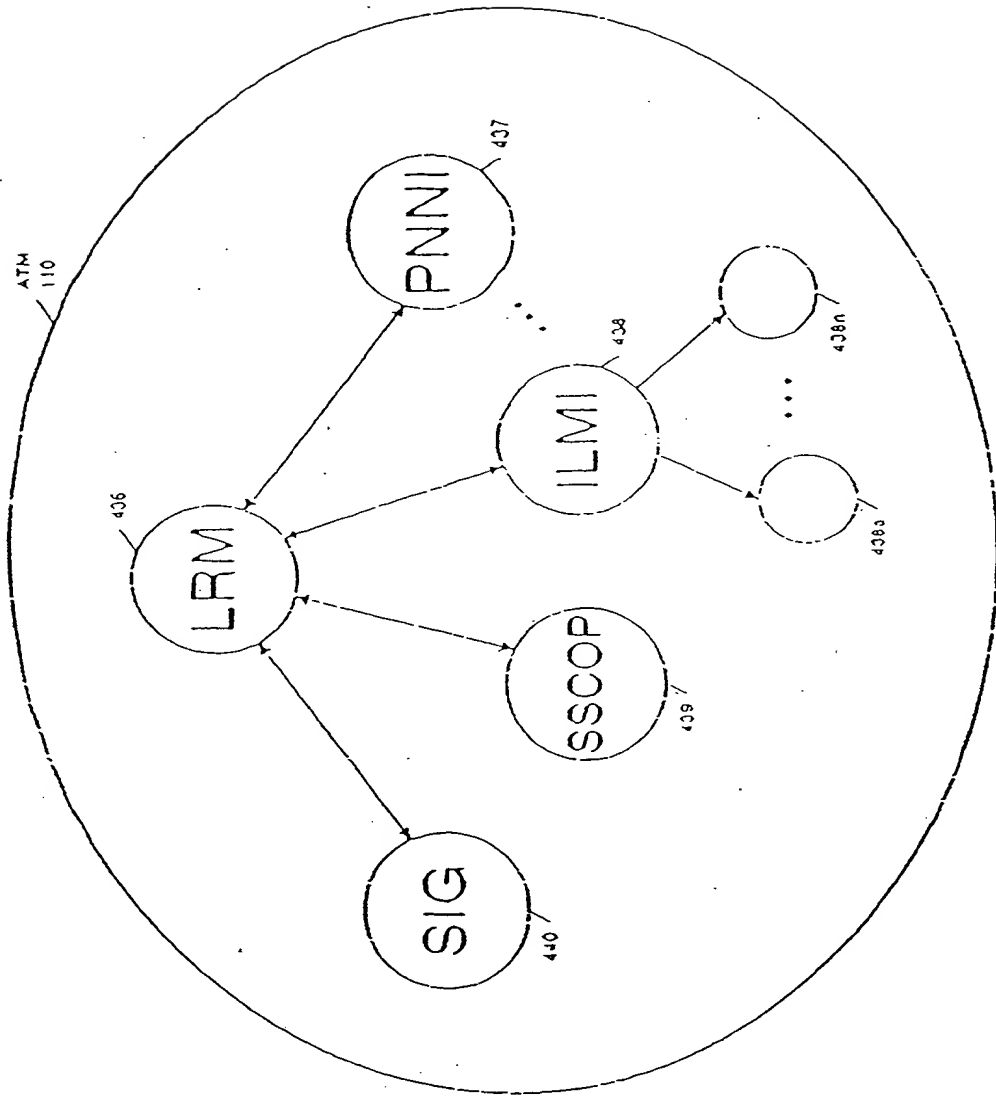
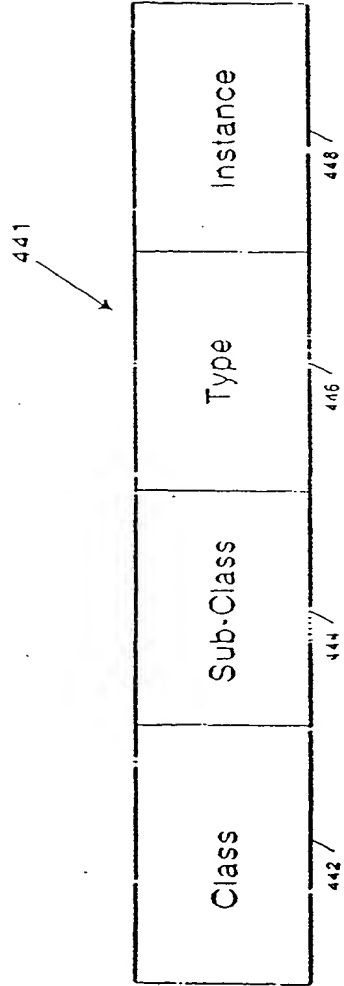
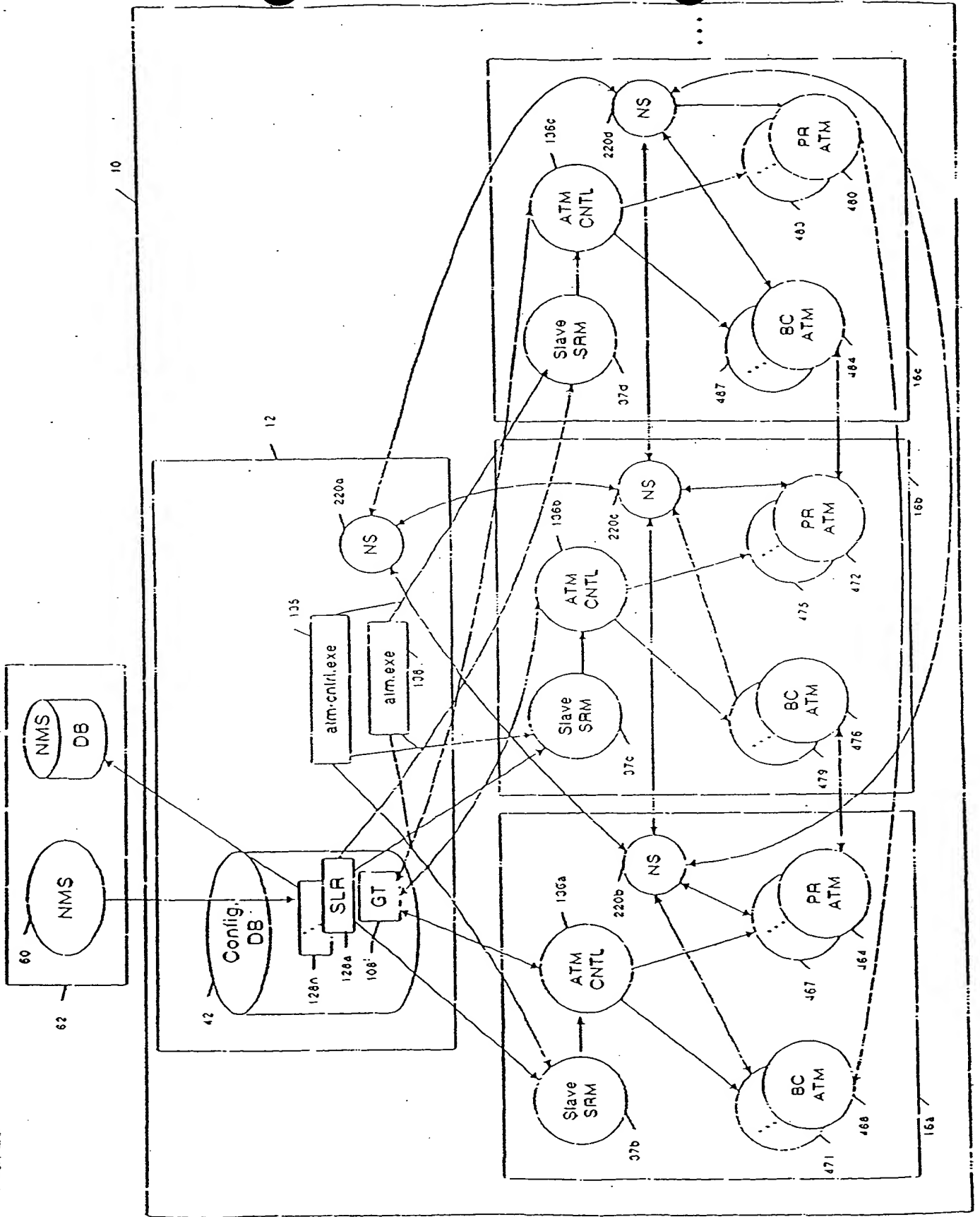


FIG. 28





Group Table 108

447

449

	Group #	Primary Card LID	Backup Card LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

Fig. 31a

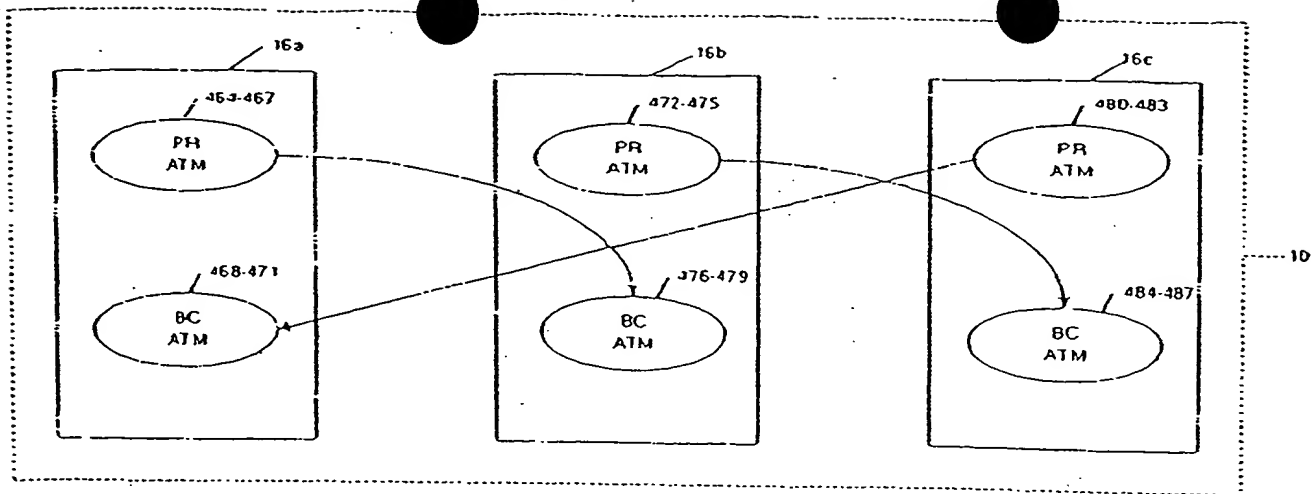


Fig. 31b

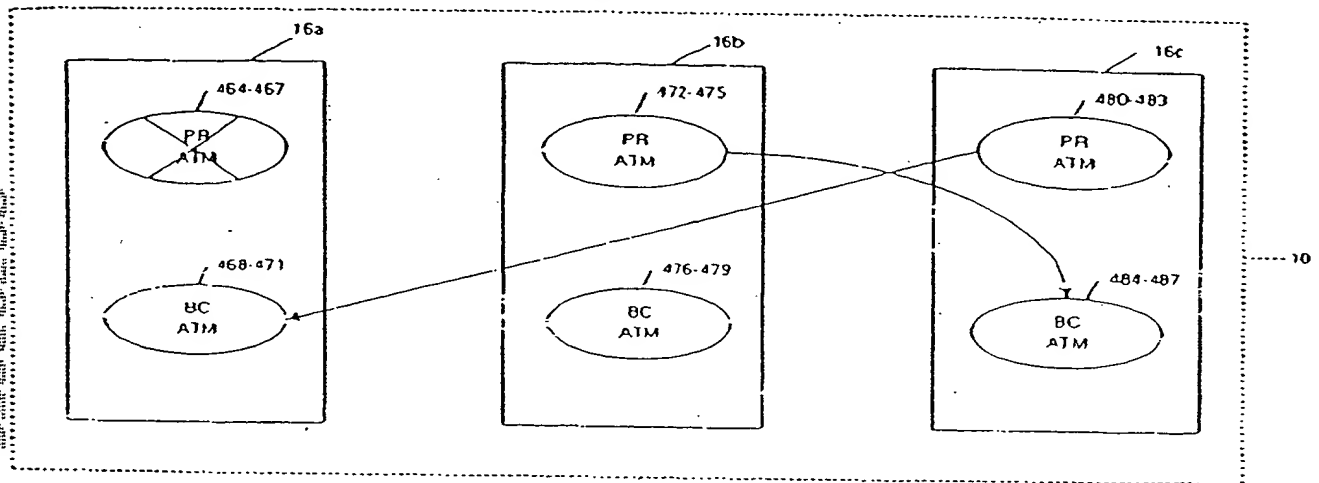


Fig. 31c

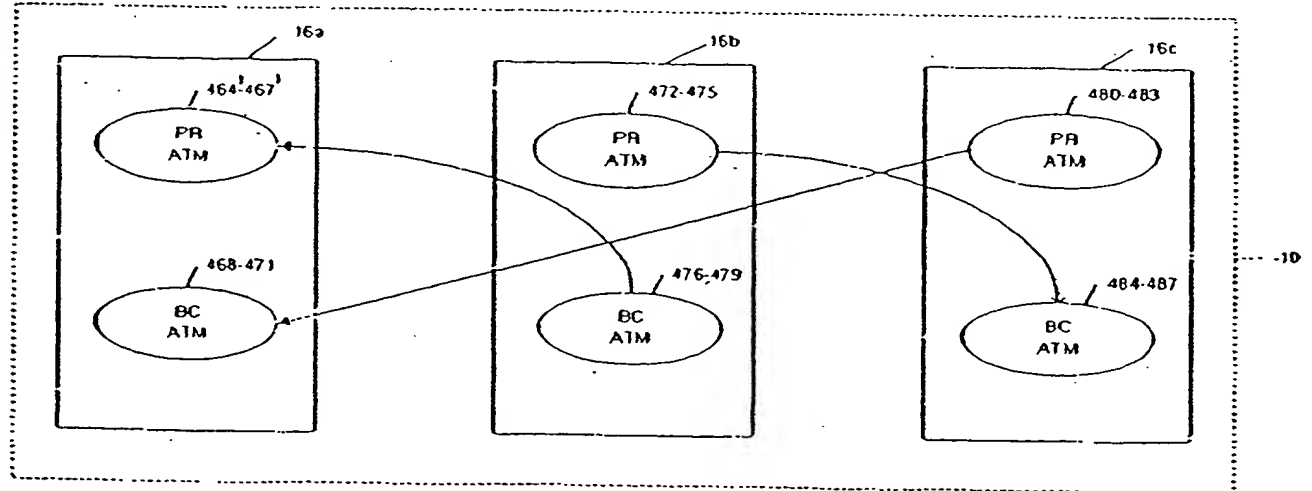


Fig. 32a

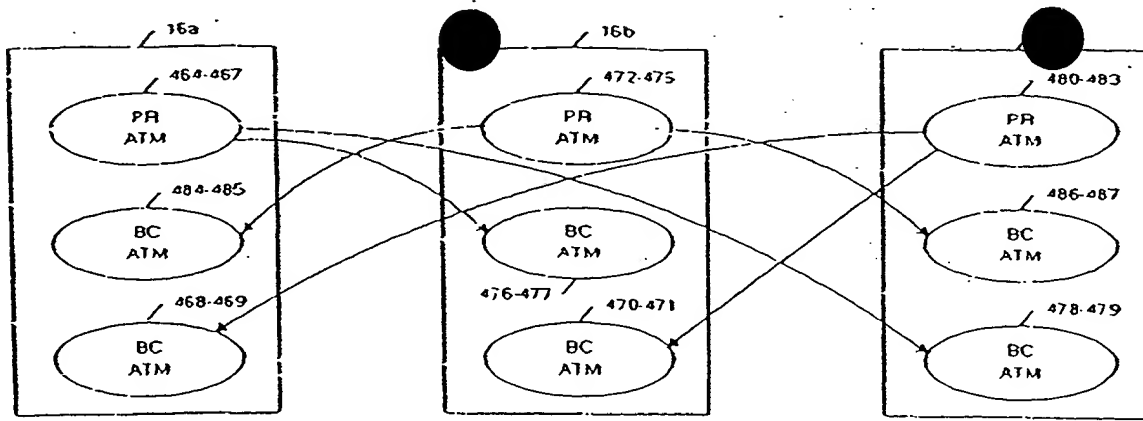


Fig. 32A

Fig. 32b

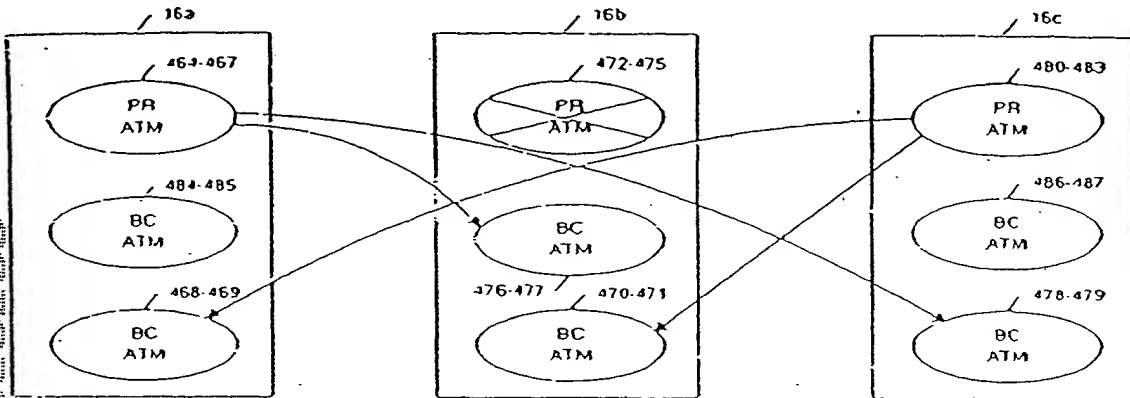


Fig. 32c

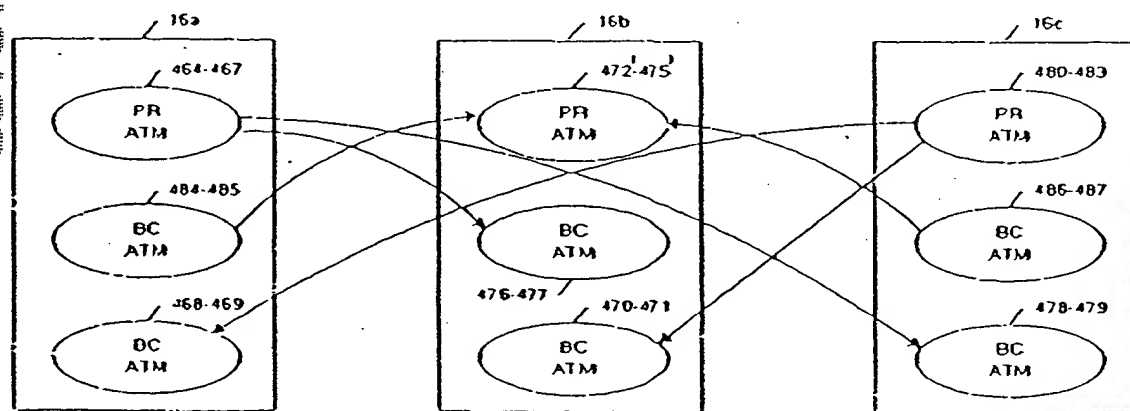


FIG. 33a

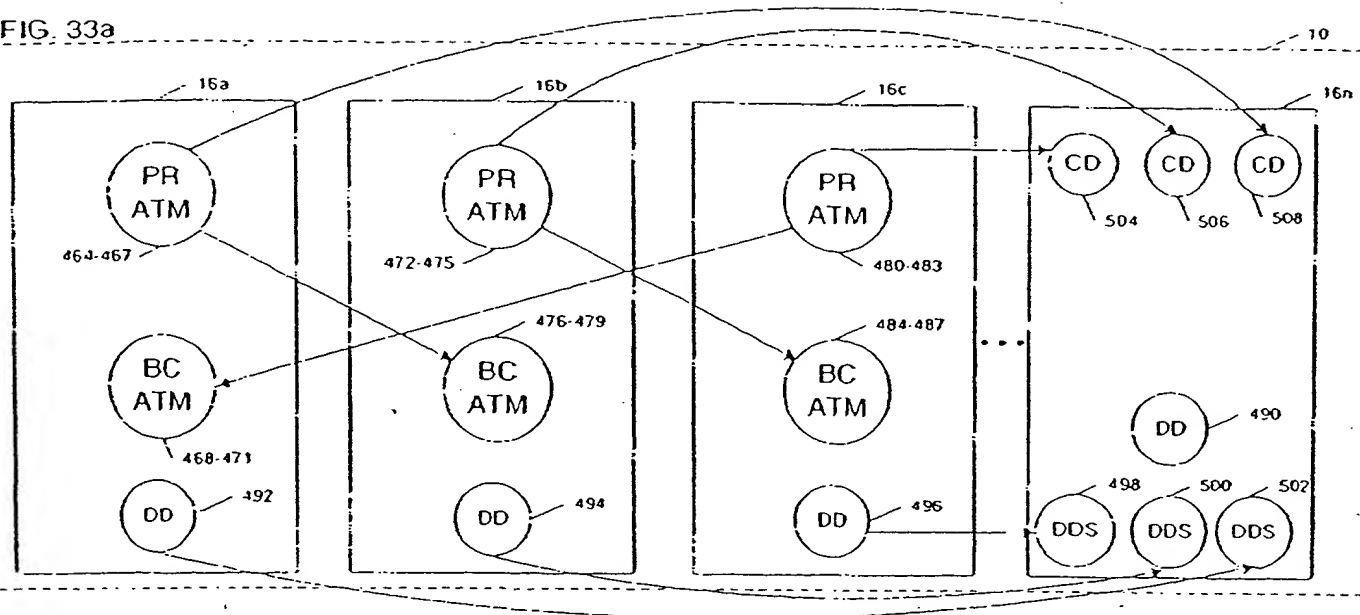


FIG. 33b

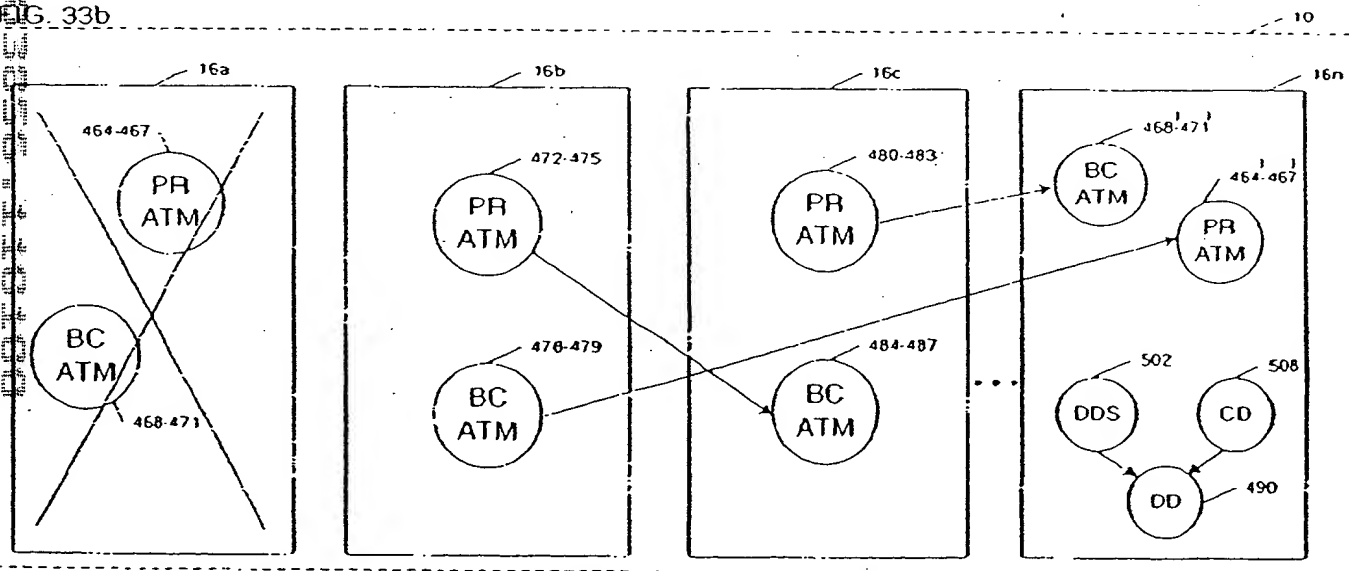


FIG. 33c

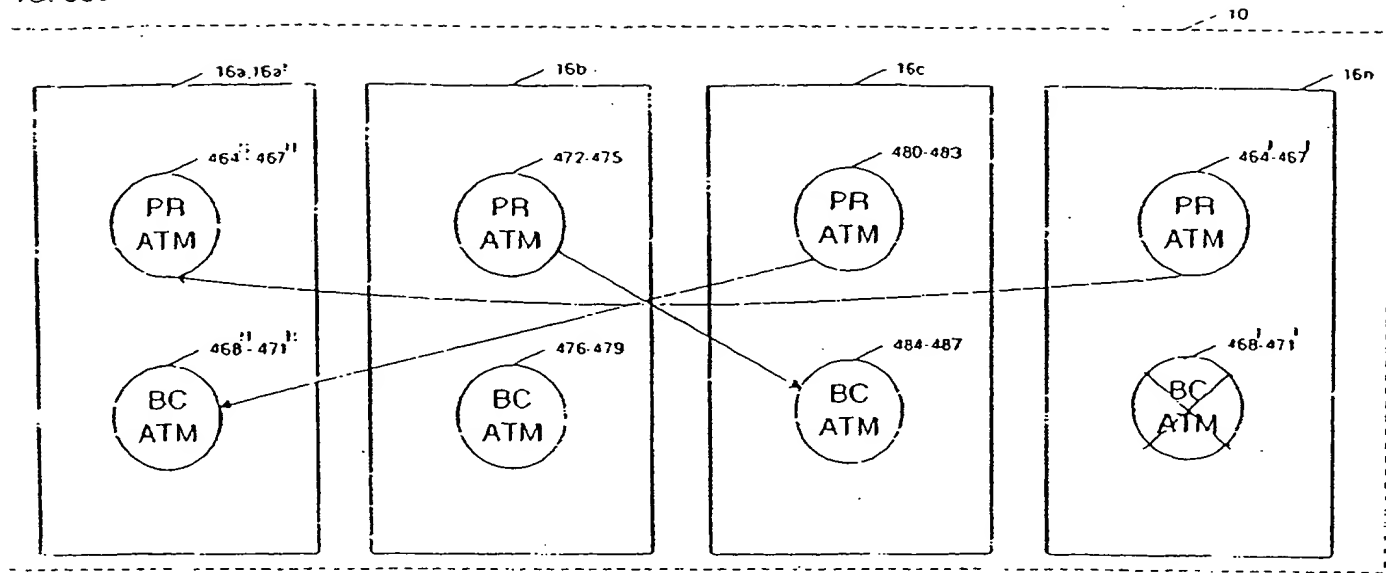


FIG. 33d

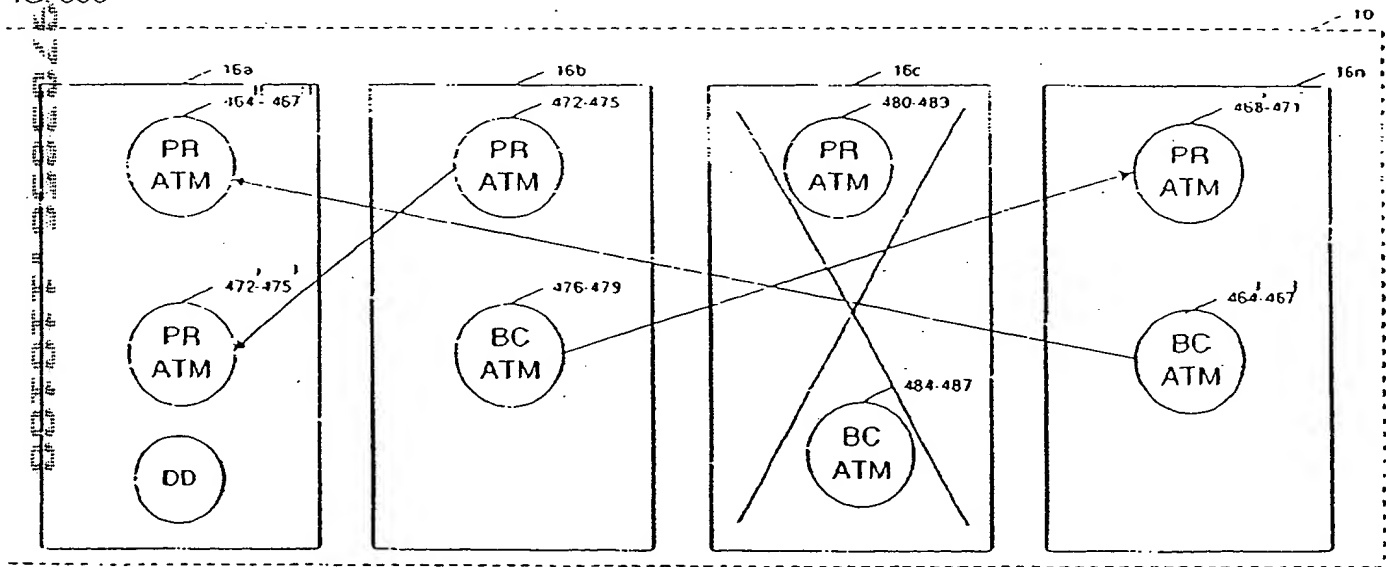


Fig. 34a

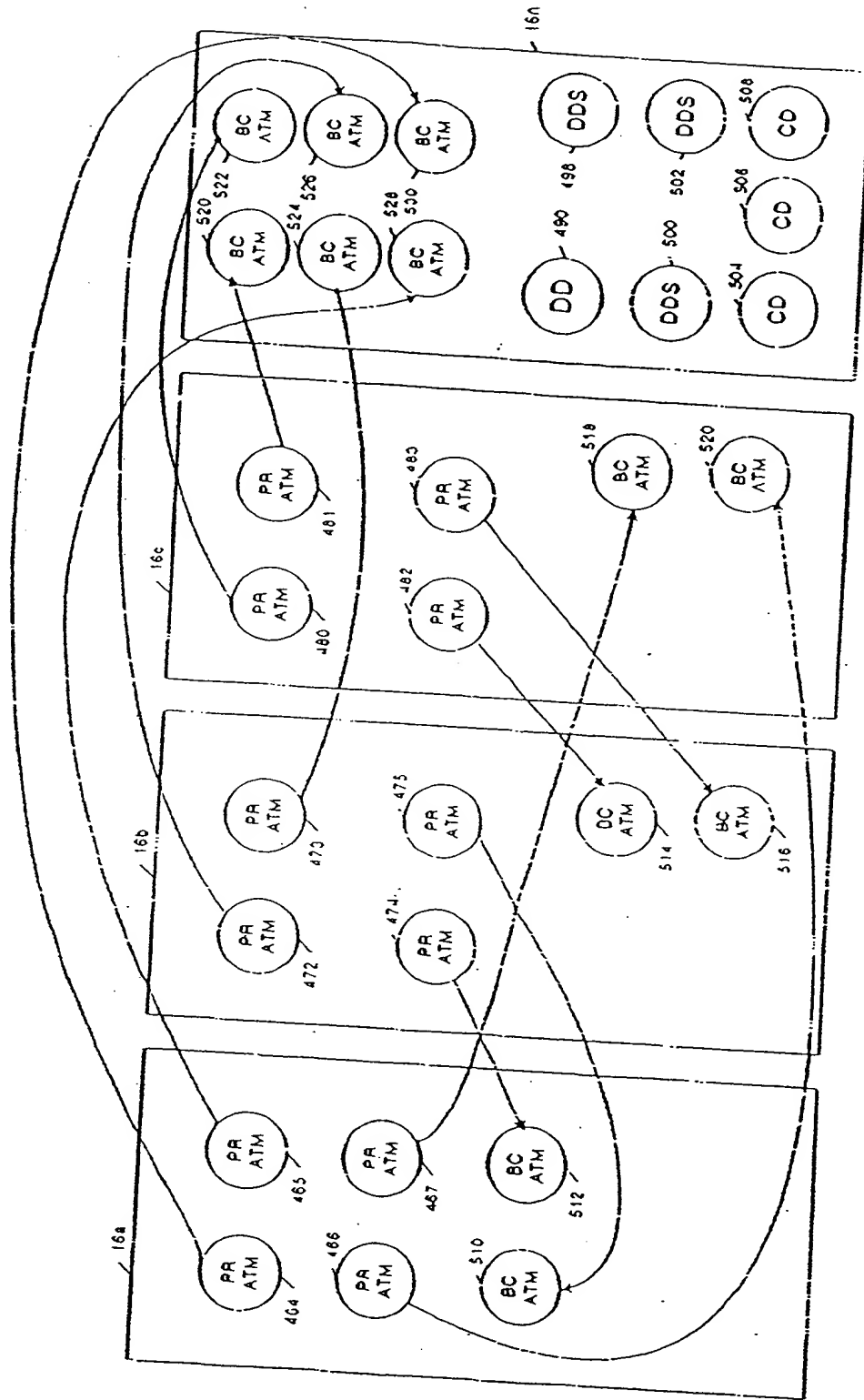


FIG. 34b

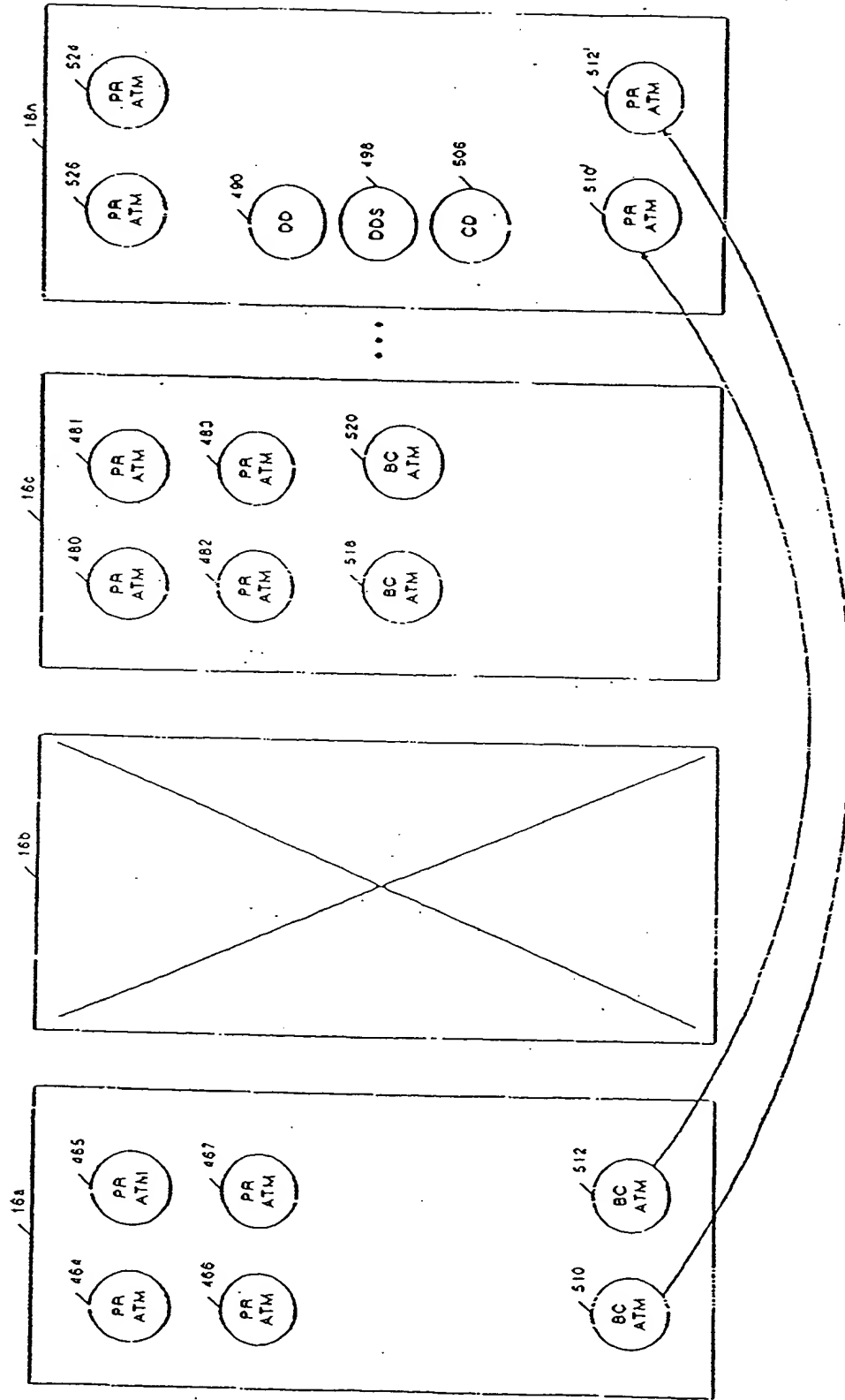
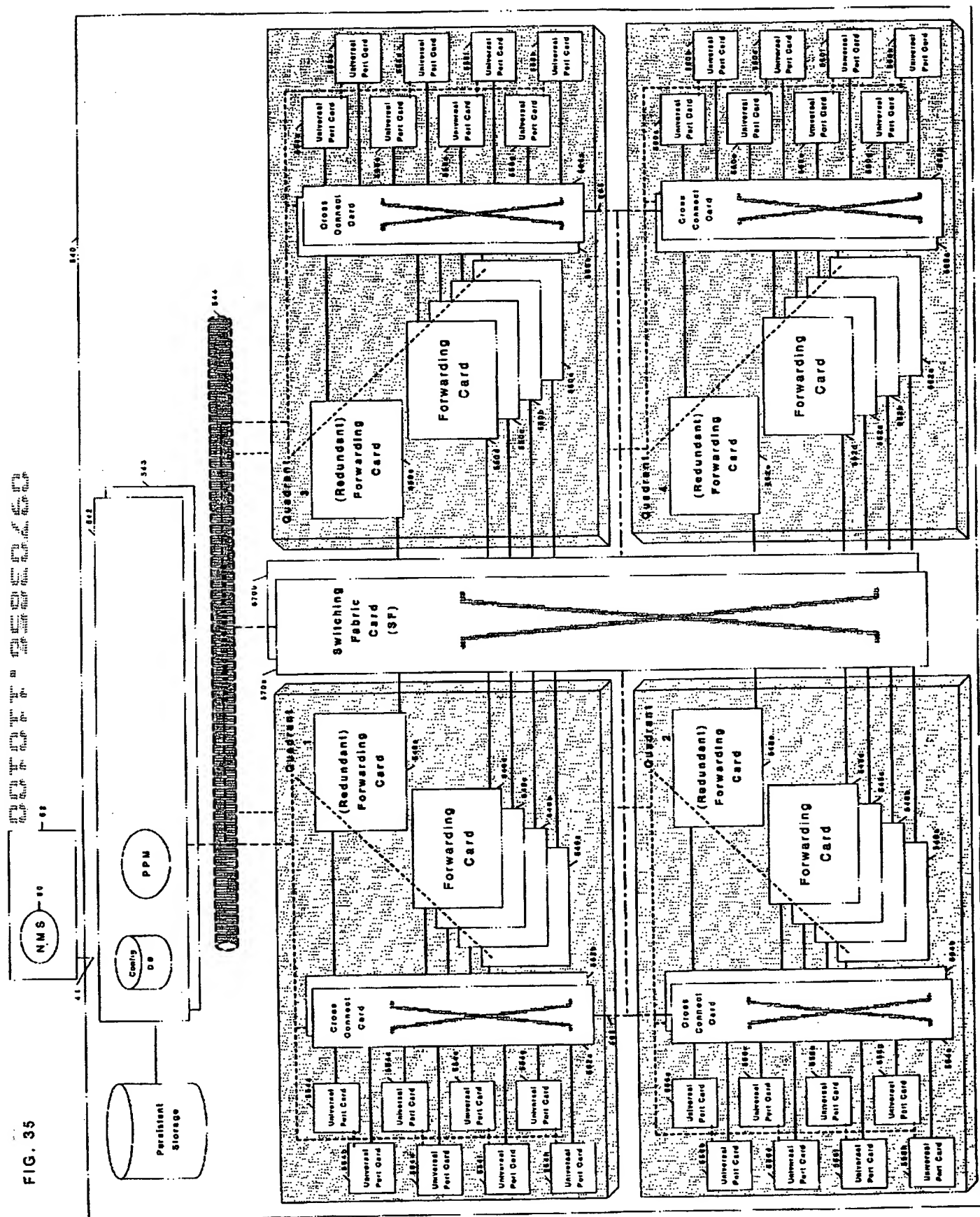


FIG. 35



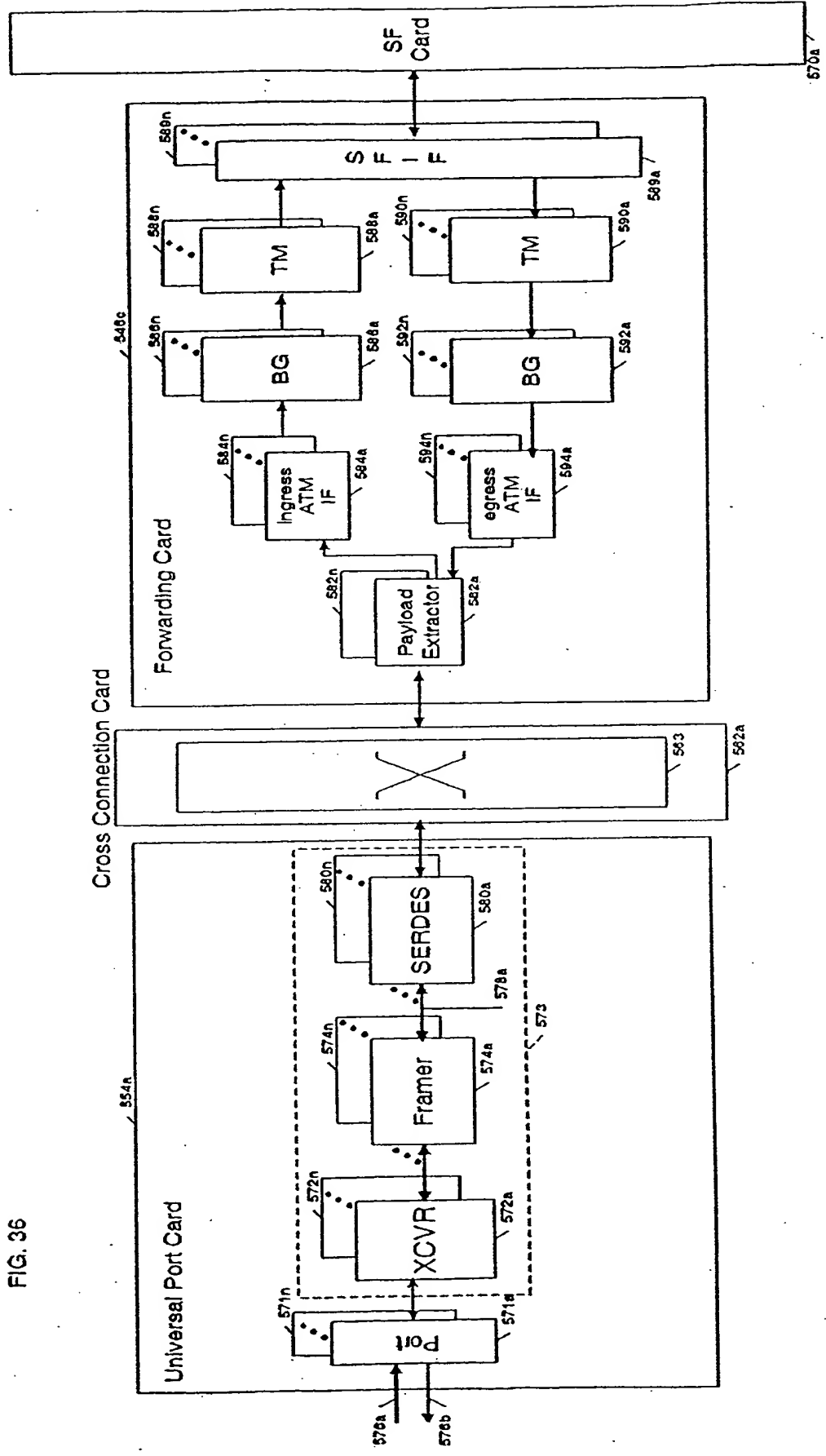


FIG. 36

FIG. 37

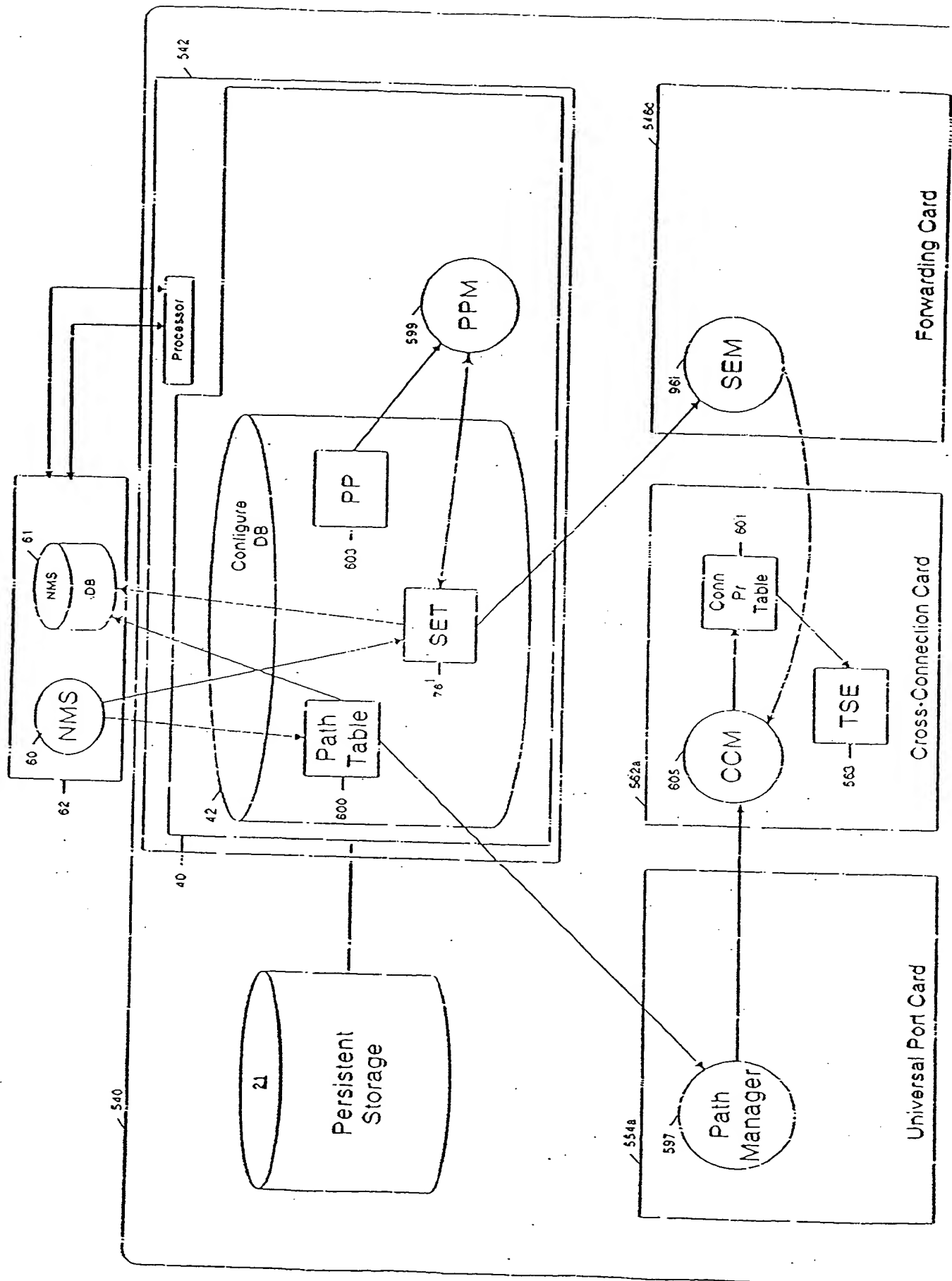


FIG. 38

Path Table 600

602

Path LID	UP Port LID	Time Slot	# of Time Slots	...
1666	1231	4	3	
...

Service End Point Table 76'

SE #	Q #	FC LID	FC Slice	FC Time Slot	Path PID	...
878	1				1666	
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

540 →

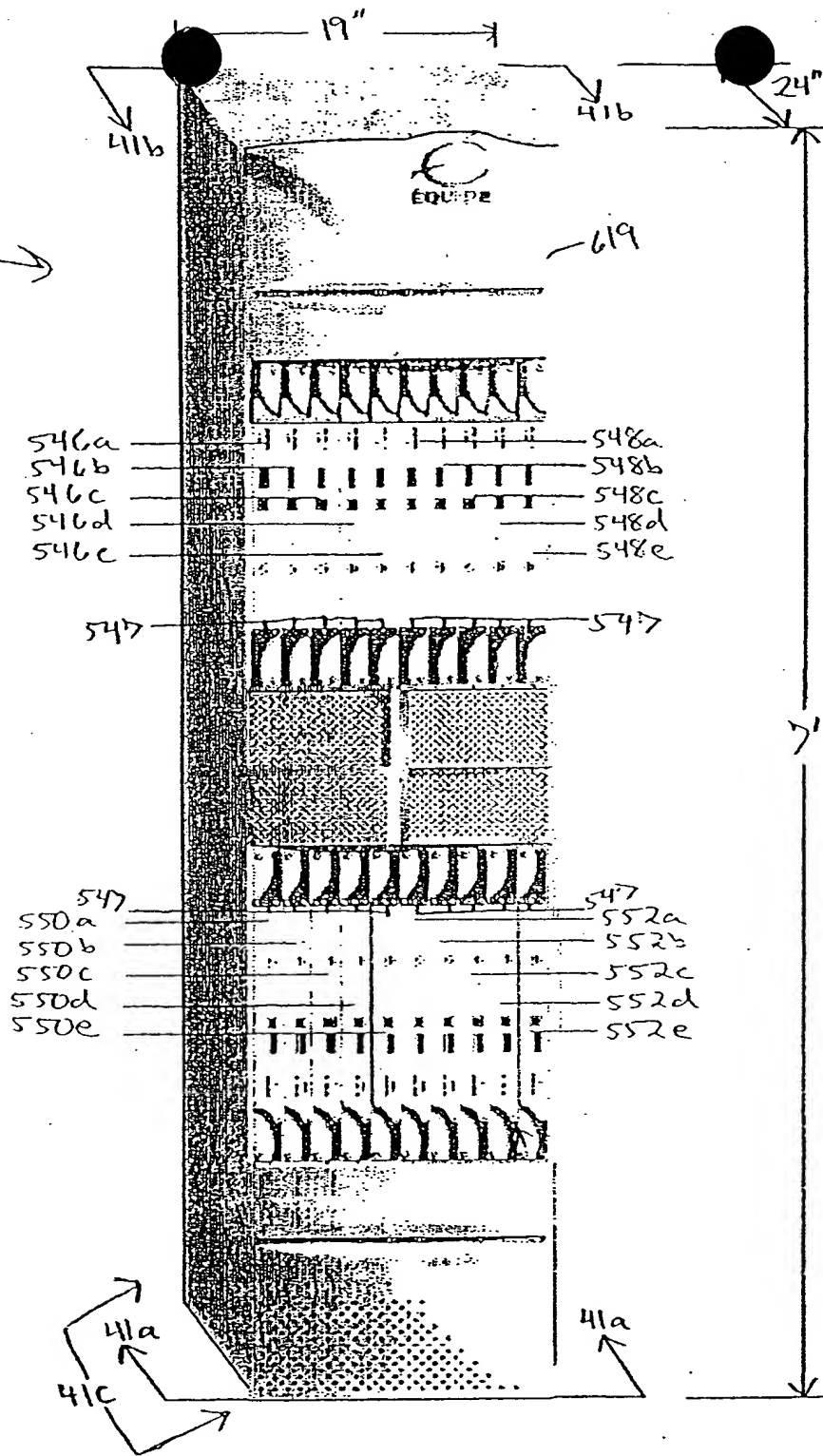


Fig. 40

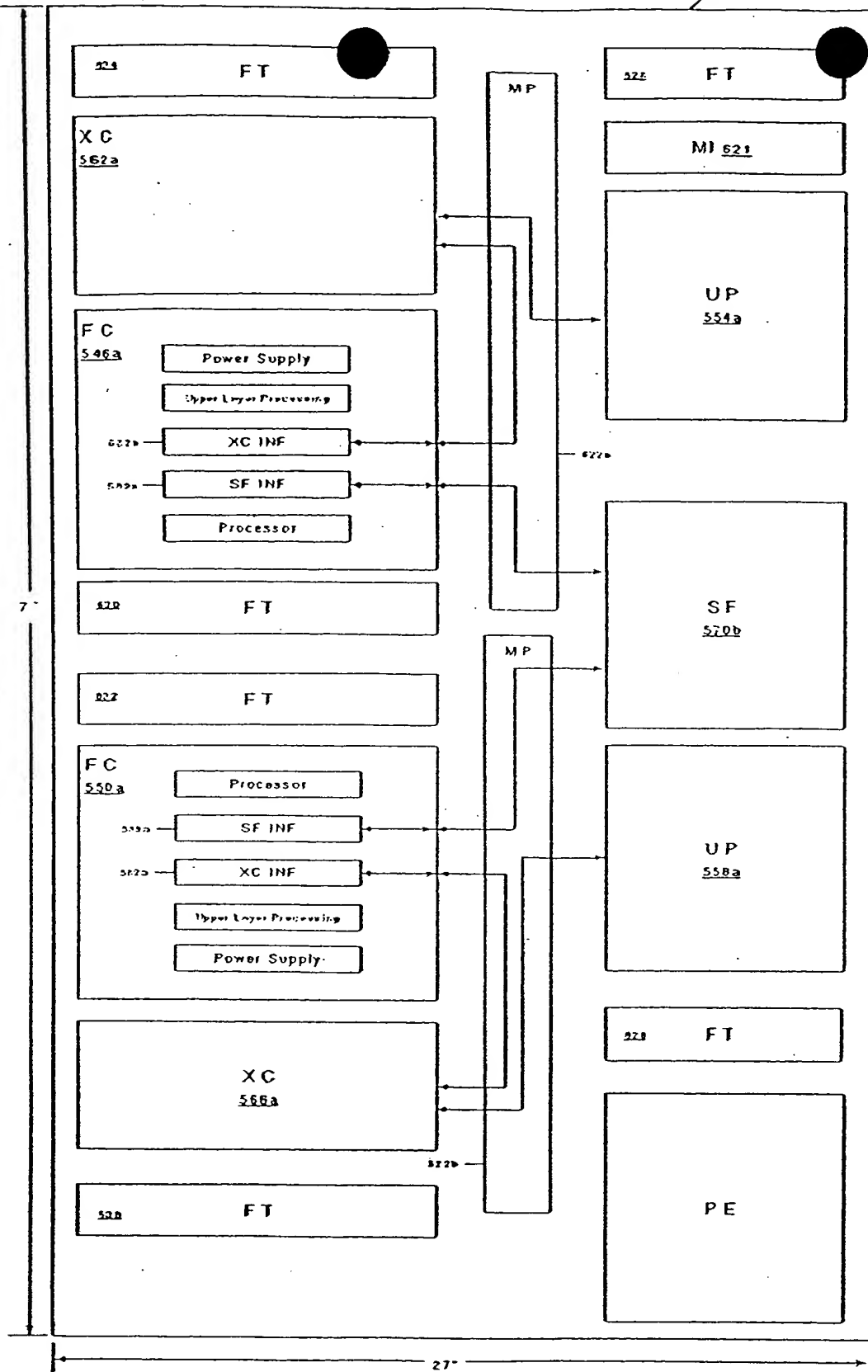
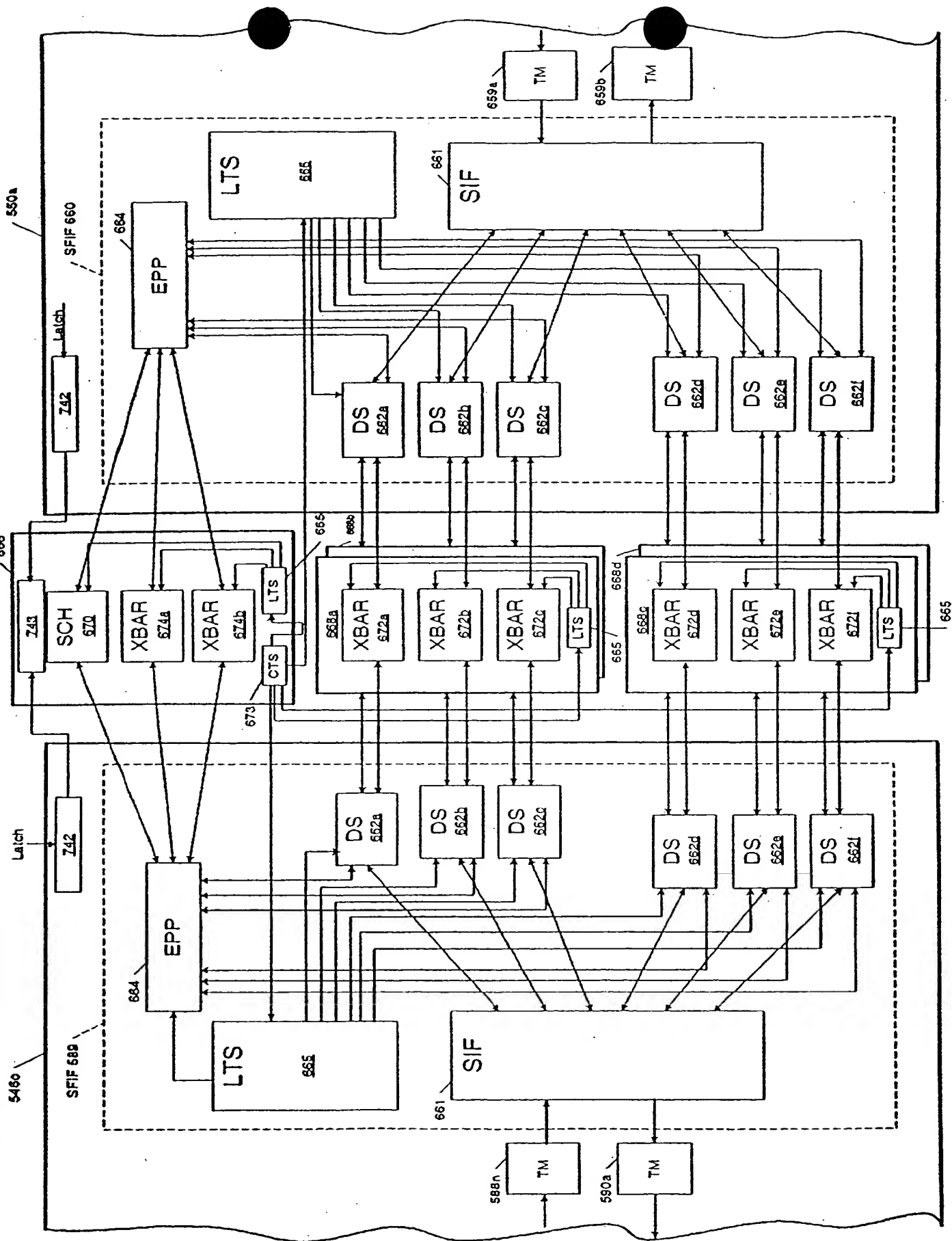


Fig. 41C

FIG. 43



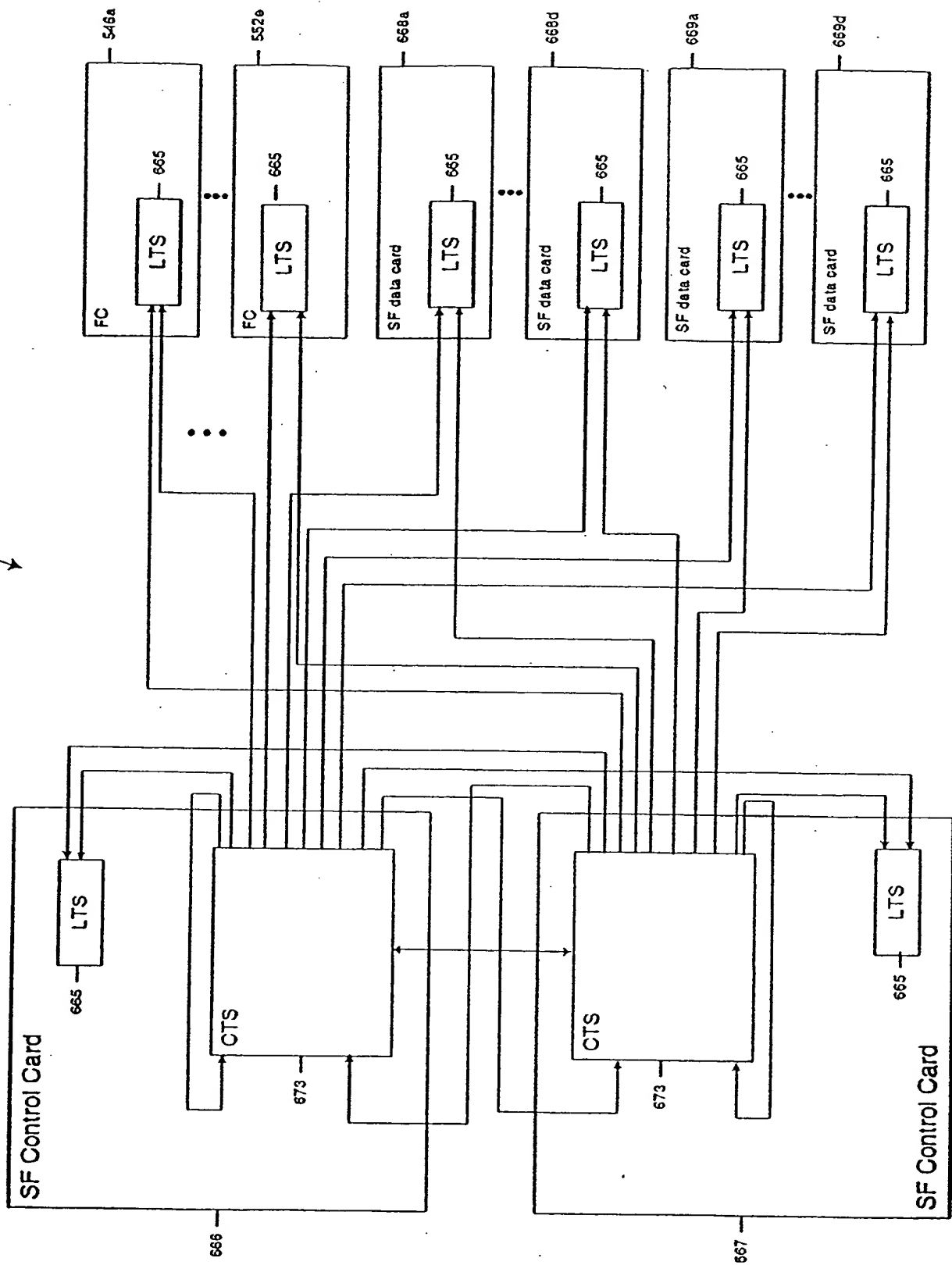
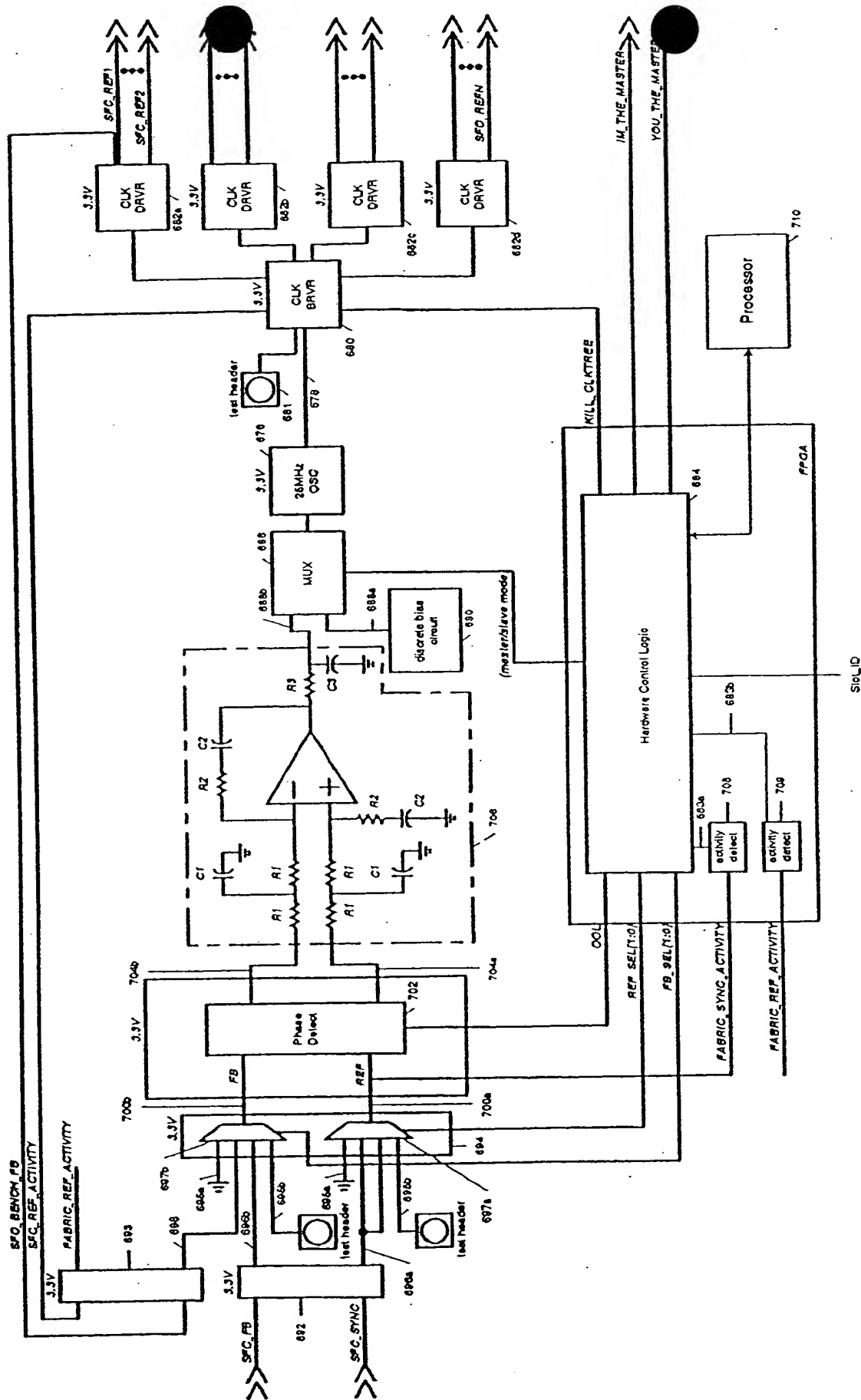


FIG. 44

FIG. 45

CTS 673



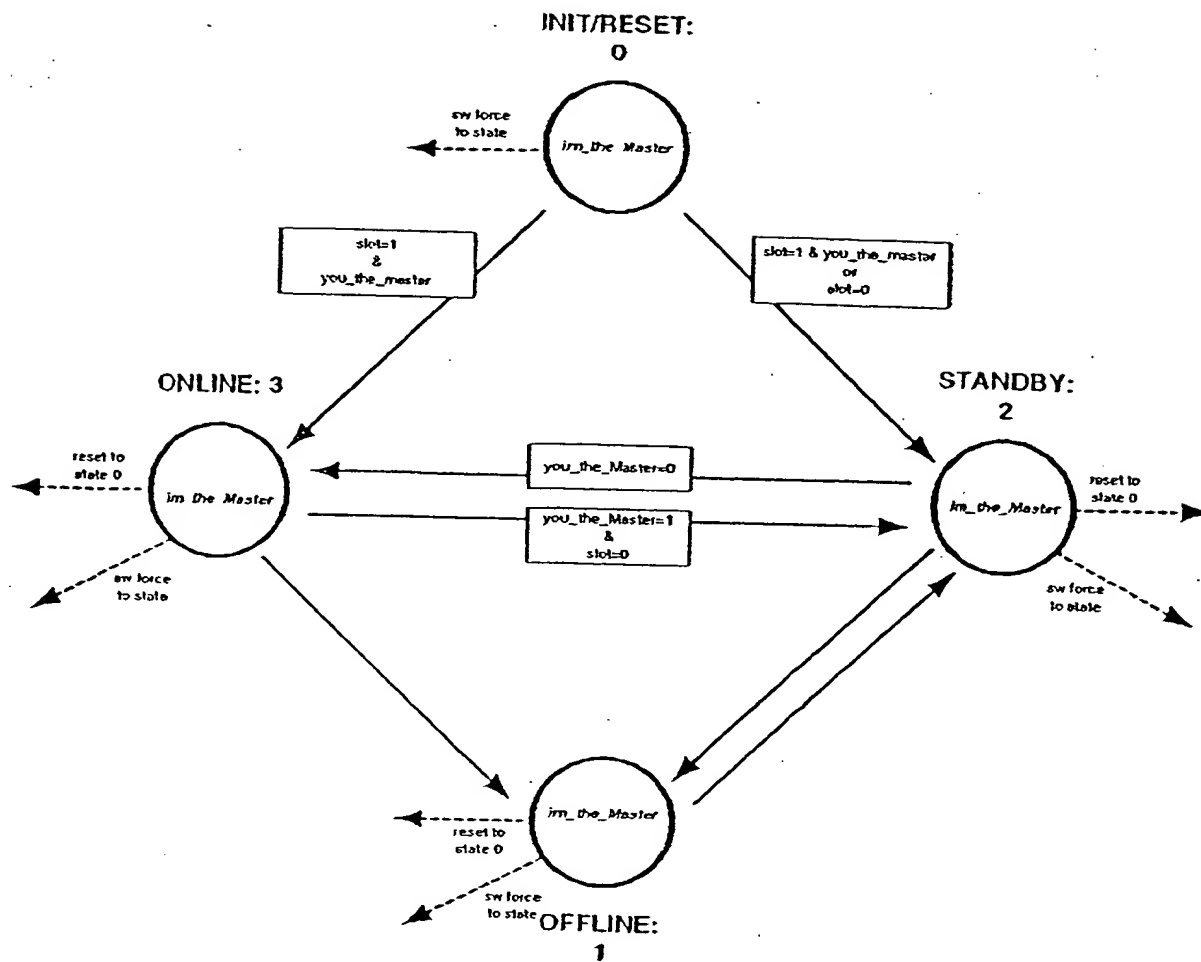
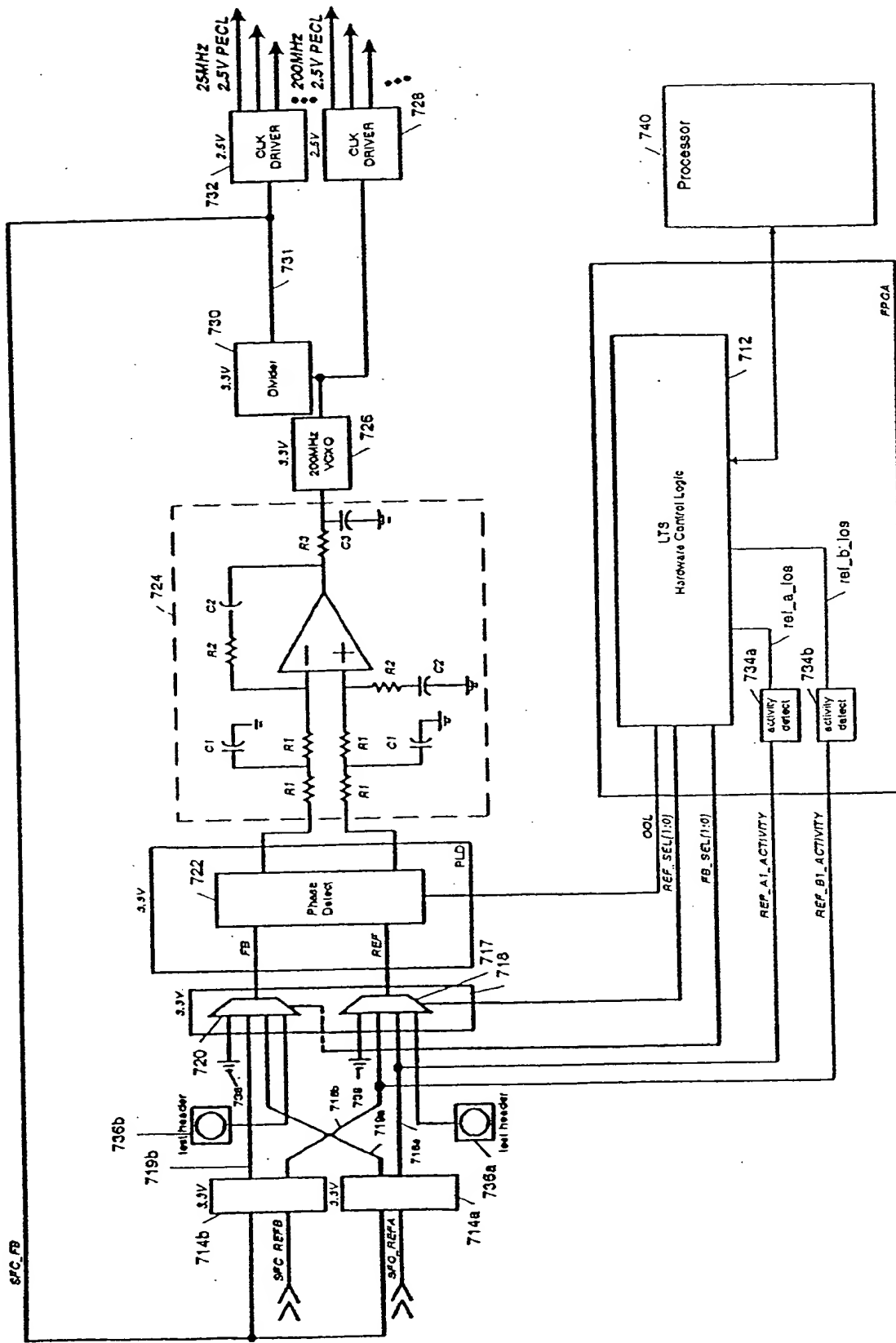


FIG. 46

665



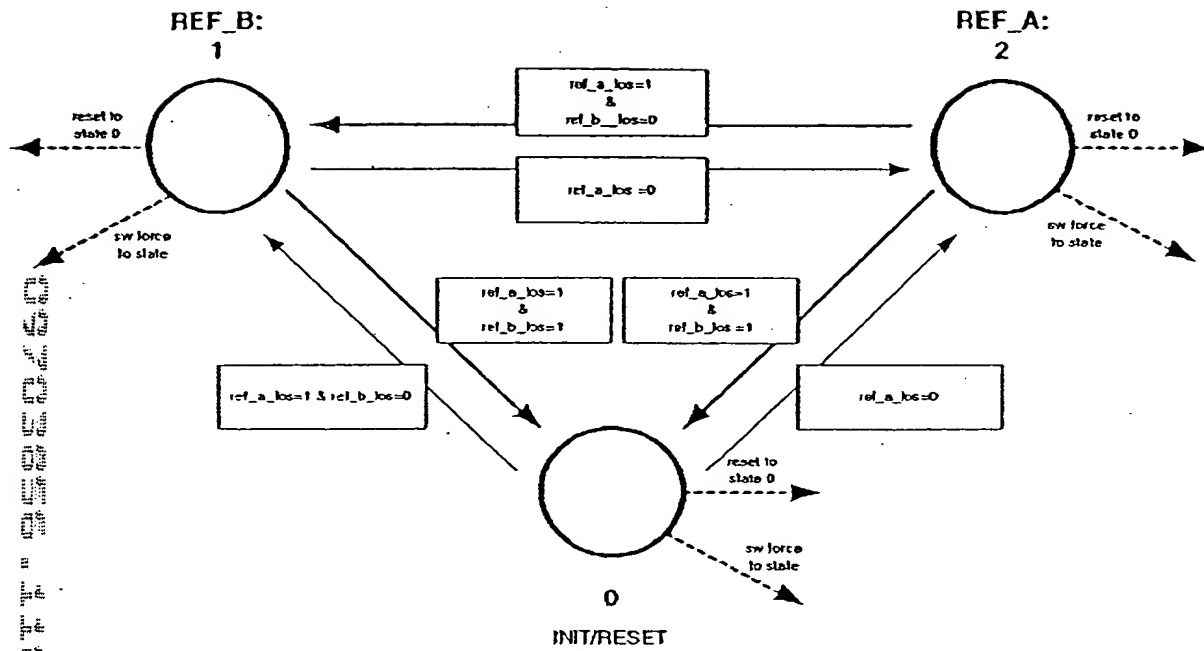


FIG. 48

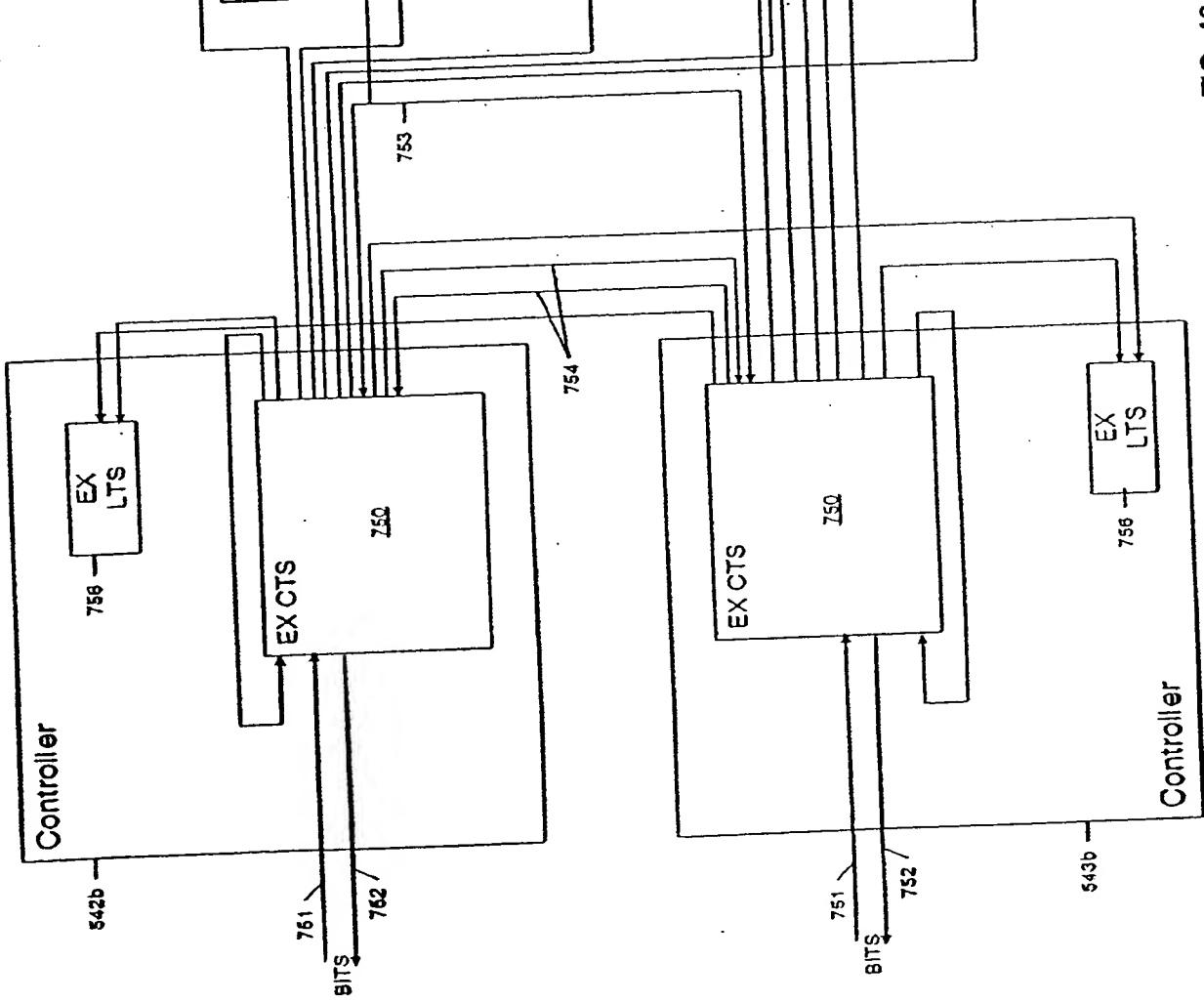


FIG. 49

EX CTS 750

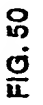


Fig. 50

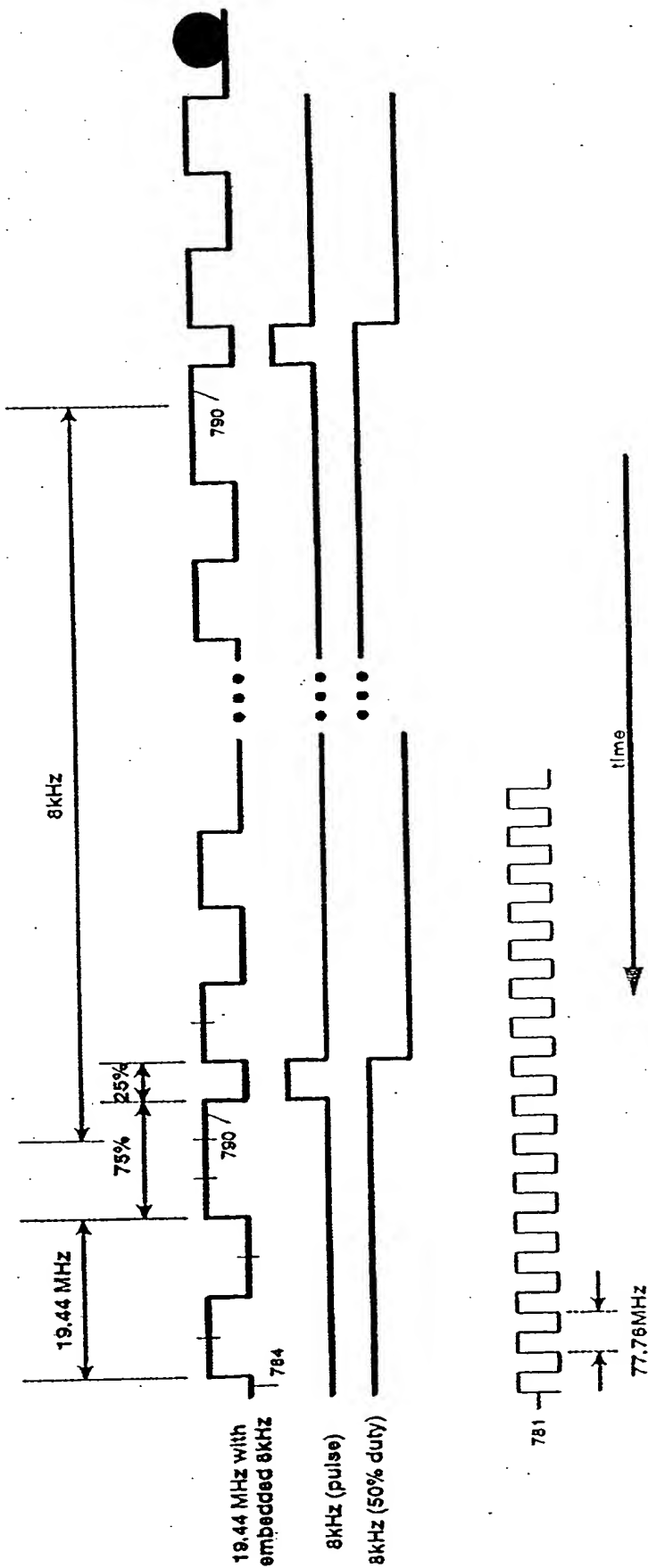


FIG. 51

792

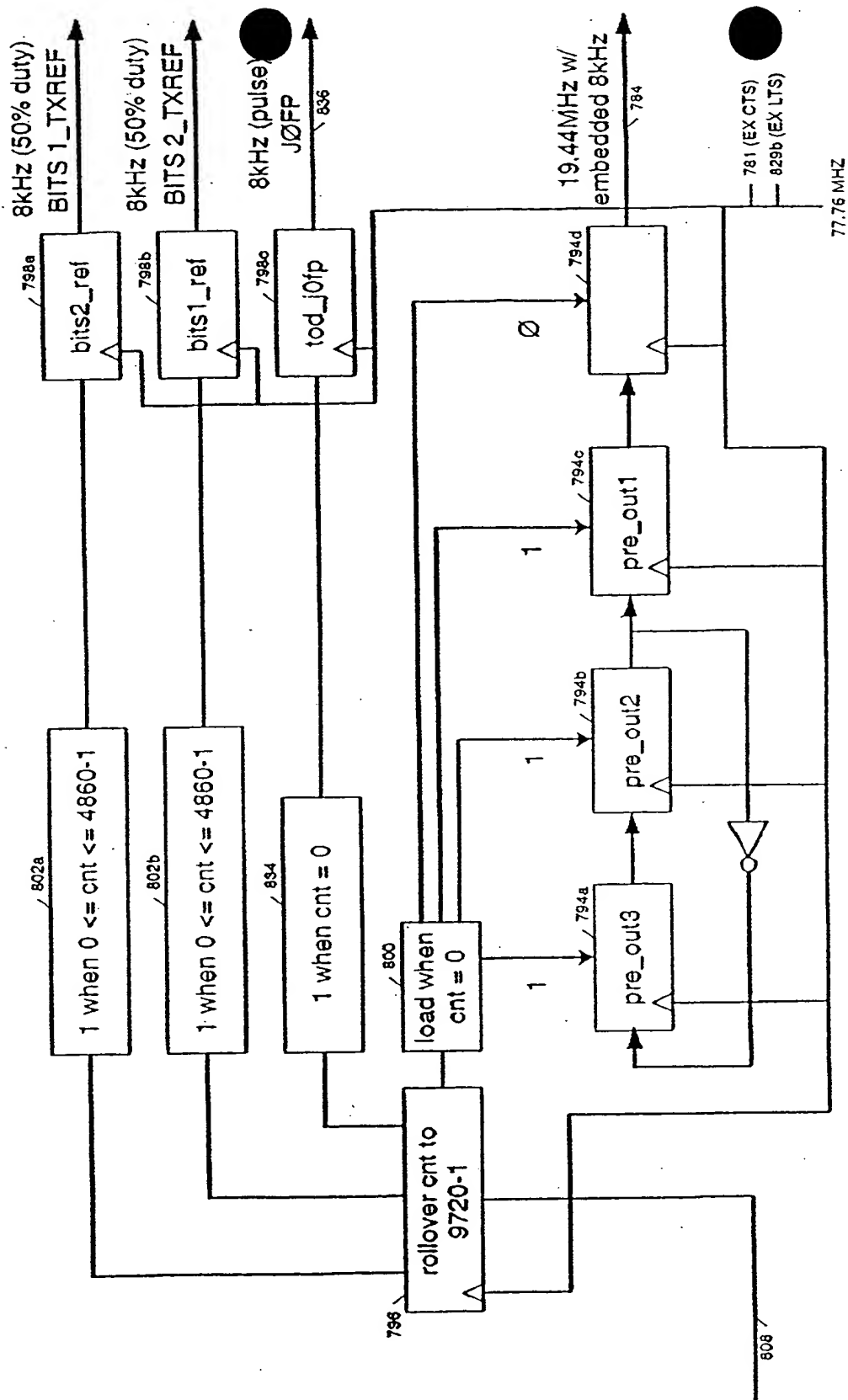
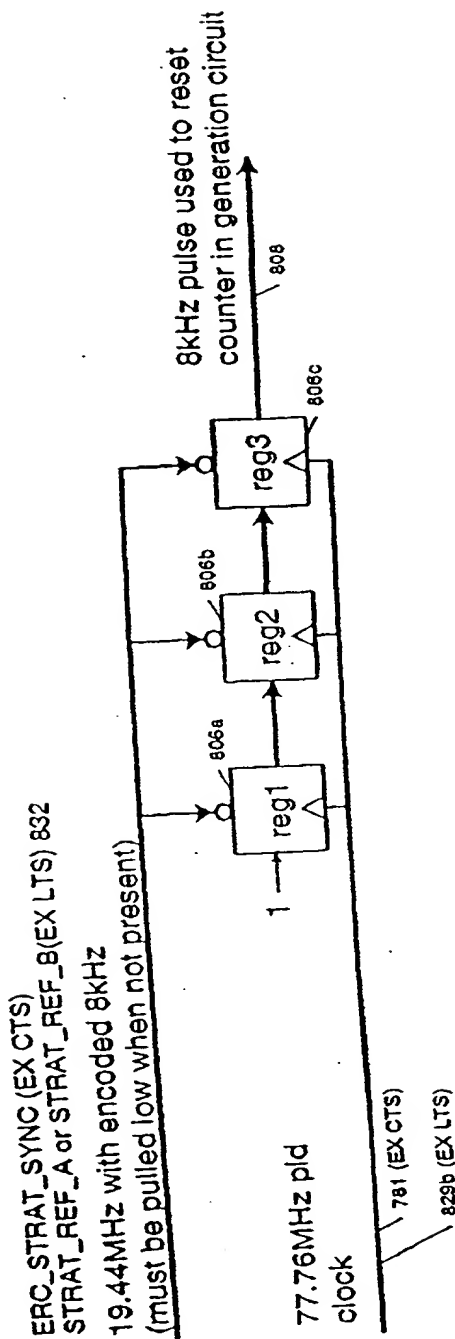


Fig. 52

ERC_STRAT_SYNC (EX CTS)
STRAT_REF_A or STRAT_REF_B (EX LTS) 832
19.44MHz with encoded 8kHz
(must be pulled low when not present)

804



Extractor

FIG. 53

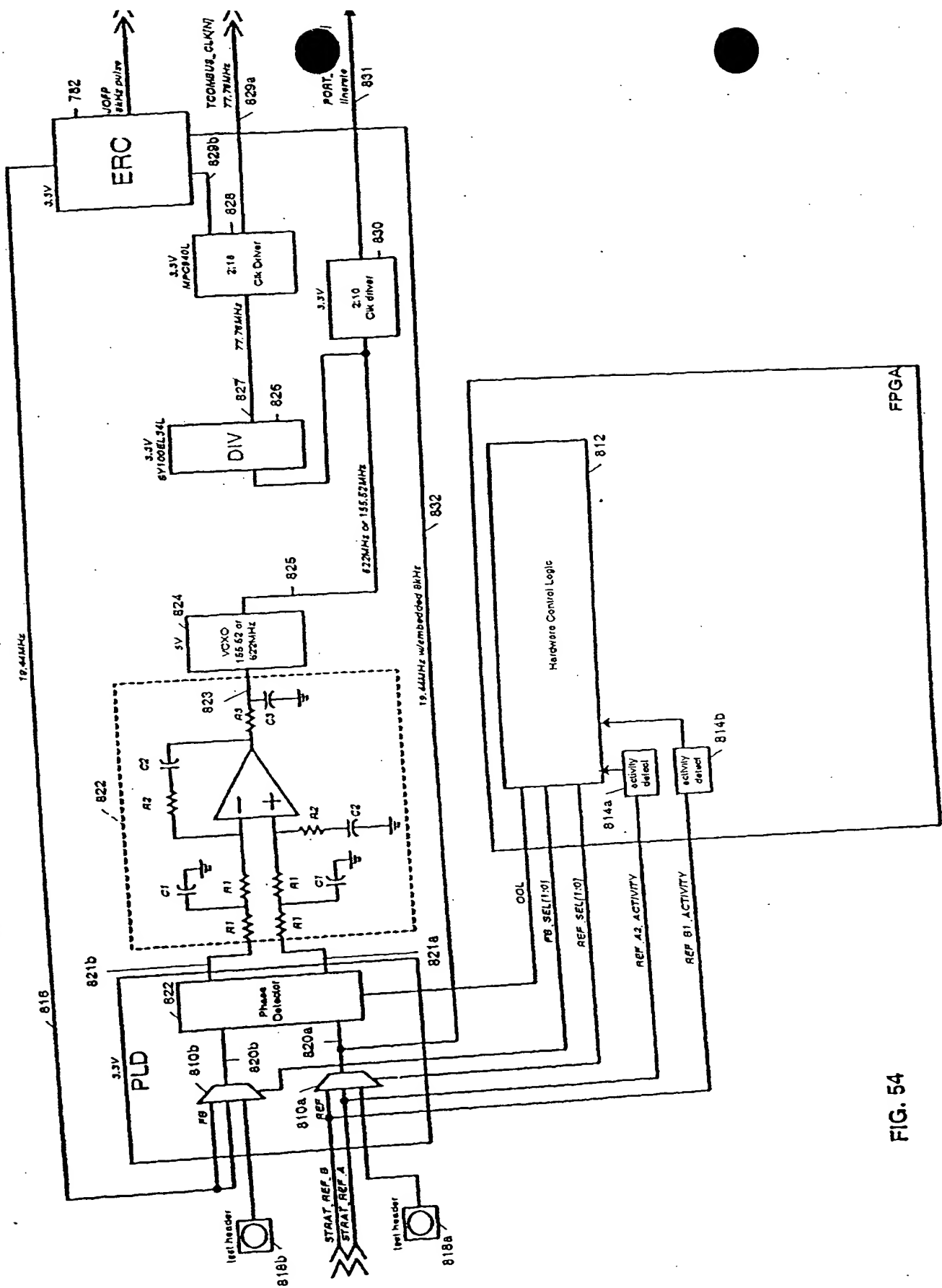


FIG. 54

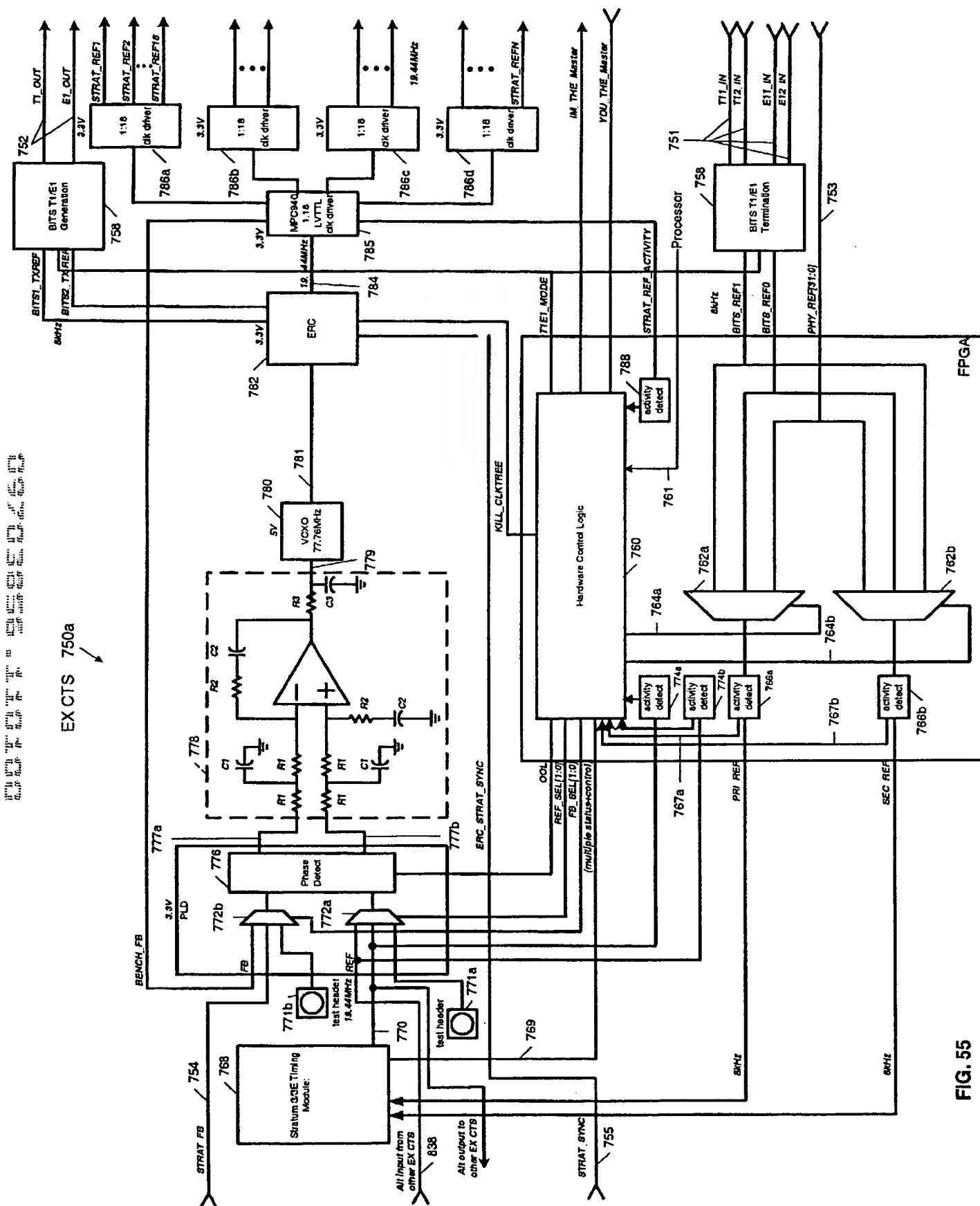


FIG. 55

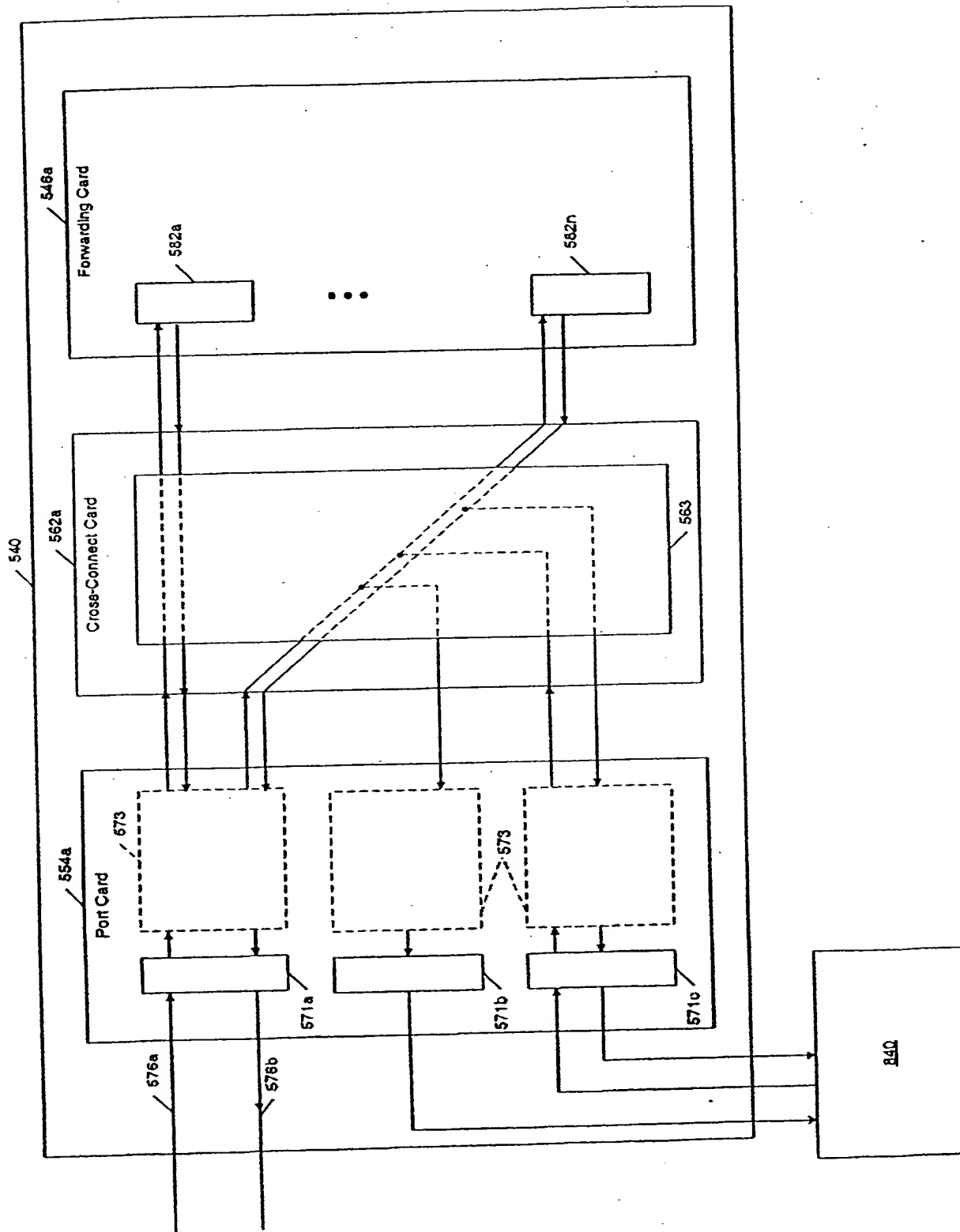


Fig. 56

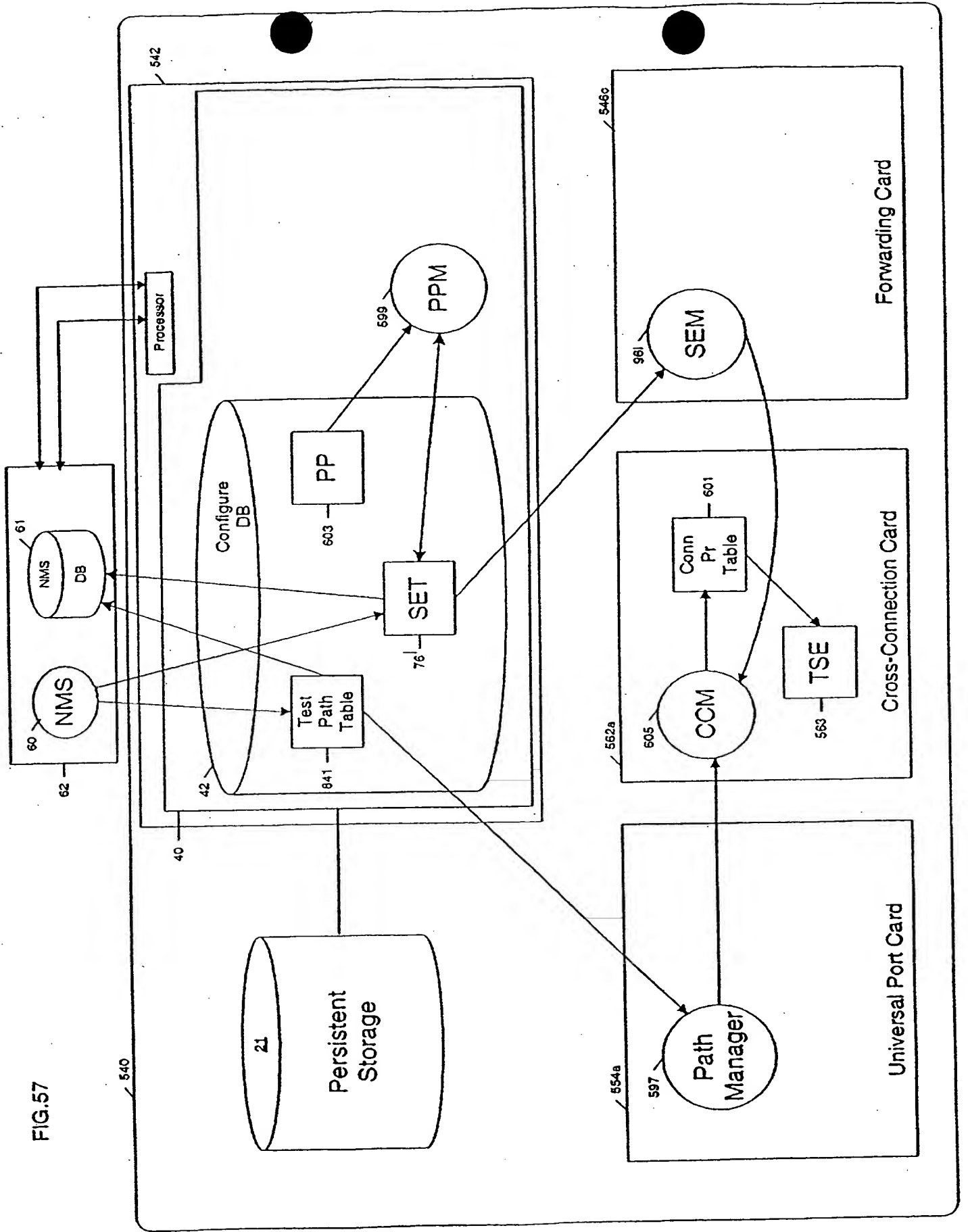


FIG. 58

Test Path Table 841

844		845			
Path LID	UP Port LID	Time Slot	# of Time Slots	Monitor	Enable Port Receiver
842 — 1666	1232	4	3	Ingress	No
843 — 1666	1233	4	3	Egress	No
844 — 1666	1233	4	3	Ingress	Yes
•	•	•	•		•
•	•	•	•		•
•	•	•	•		•

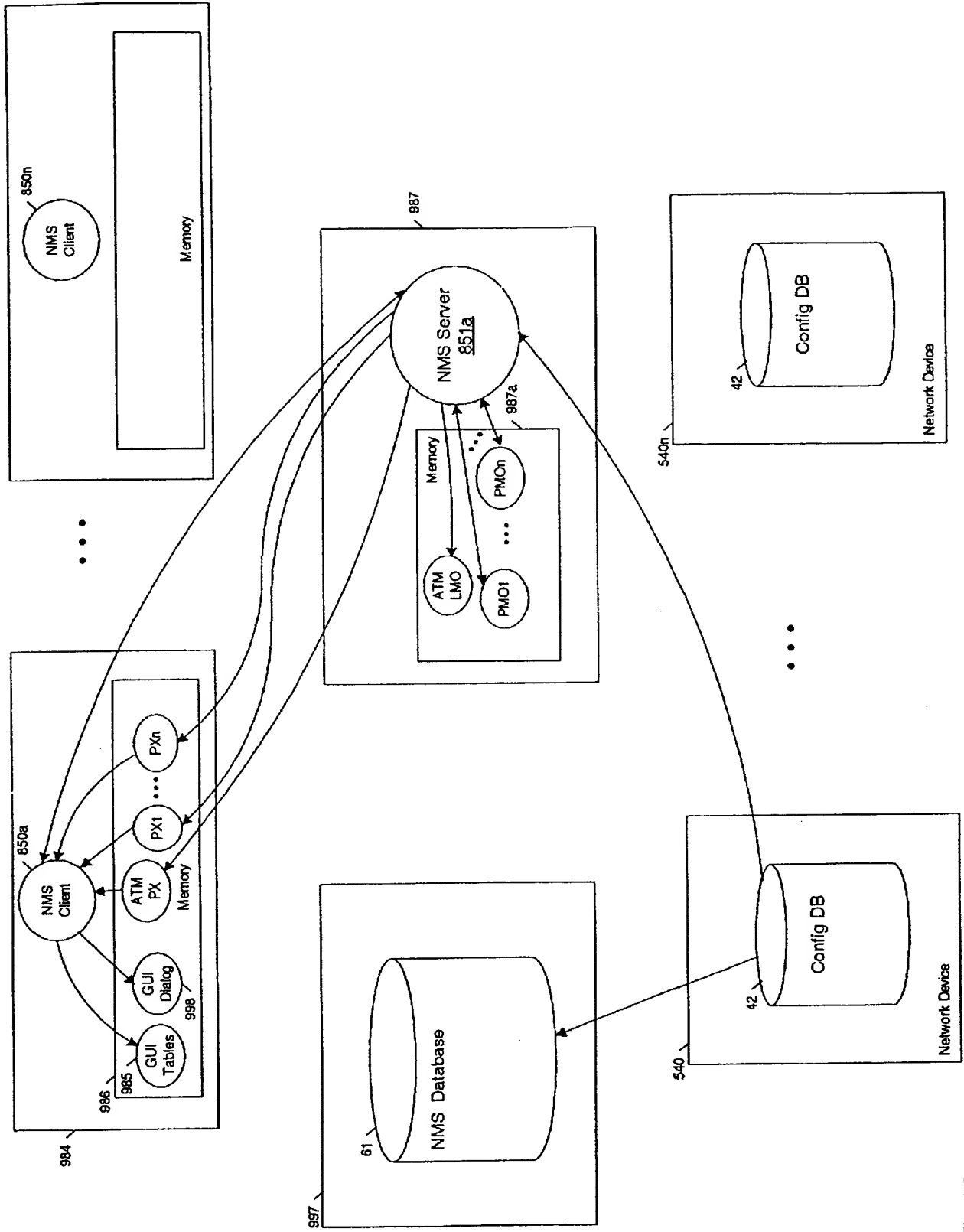


Fig. 59

Fig. 60a

Managed Device Table

PID	A1	...	An
1			

983b points to the first row. 983 points to the header row. 983a points to the first column.

Fig. 60b

Chassis Table

PID	A1	...	An	Managed Device PID
1				1
⋮	⋮	⋮	⋮	⋮

988b points to the first row. 988c points to the header row. 988 points to the last column. 988a points to the first row of the last column.

Fig. 60c

Shelf Table

PID	A1	...	An	Chassis PID
3				2
4				2
⋮	⋮	⋮	⋮	⋮
18				2

989a points to the first row. 989 points to the header row. 989b points to the last column.

Fig. 60d

Slot Table

PID	A1	...	An	Shelf PID
20				3
21				3
⋮	⋮	⋮	⋮	⋮
116				18

990a points to the first row. 990 points to the header row. 990b points to the last column. 990c points to the first row of the first column. 990d points to the last row of the first column.

CARD TABLE

47a		47b		47c	
PID	CWD TYPE	VERSION NO.	SLOT	PID	...
120	0XF002	3	20		
121	0XF002	4	21		
...
124	0X6002	1	24		
...
131	0XF002	1	31		
...

FIG. 60e

PORT TABLE

PID	PORT TYPE	VERSION NO.	CARD PID	...
300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
:	:	:	:	:
400	00620	1	39	
:	:	:	:	:

FIG. 60f

FIG. 60g

SONET Path Table 600

600a	600b	Path LID	Port PID	Time Slot	# of Time Slots	...
		901	304	4	3	
...

FIG. 60h

Service EndPoint Table 76''

76a	76b	76c	76d	76e	76b
SE LID	Q #	FC PID	FC Slice PID	FC Time Slot	Path LID
3000					901
...

Fig. 60i

ATM IF Table

ATM IF LID	ATM Group LID	SE LID	...
5054		3000	...
⋮	⋮	⋮	...

Fig. 60j

Virtual ATM IF Table

993a	LID	A1	...	An	ATM IF LID	993b
	7489				5054	993
	⋮	⋮	⋮	⋮	⋮	

Fig. 60k

Virtual Connection Table

994a	LID	A1	...	An	Vir. ATM IF LID	994b
	⋮	⋮	⋮	⋮	⋮	994
	⋮	⋮	⋮	⋮	⋮	

Fig. 60L

Virtual Link Table

995a	LID	A1	...	An	995b	995c	995
	⋮	⋮	⋮	⋮	Vir. Conn. LID	Cross-Conn. LID	
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60m

Cross-Connect Table

996a	LID	A1	...	An	966b	966c	996
	⋮	⋮	⋮	⋮	Vir. Link1 LID	Vir. Link2 LID	
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60n

ATM Node Table

999

999a

999b

LID	A1	...	An	Managed Device PID
5000				1

999c

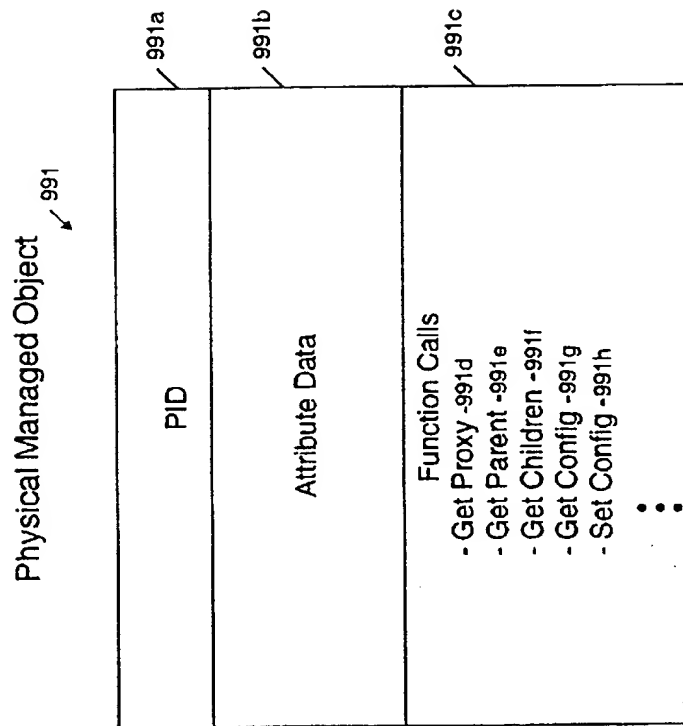
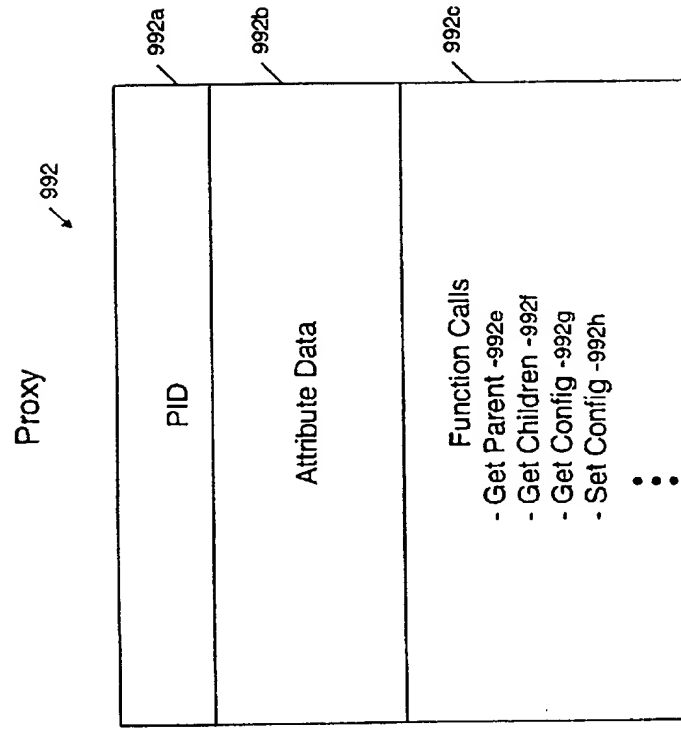


Fig. 61a

Fig. 61b



← 997

EvailNet Manager: Modify SONET Path - Shell 11/Slot 4/Port 1

Path1_11/4/1

1

STB-3c

Terminated-ATM

998b 997a

Fig. 62

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☒ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☒ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.